Chemical Production Statistics—Page 7

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 145 No. 6 — Schnell Publishing Company, Inc., Publishers — February 7, 1944

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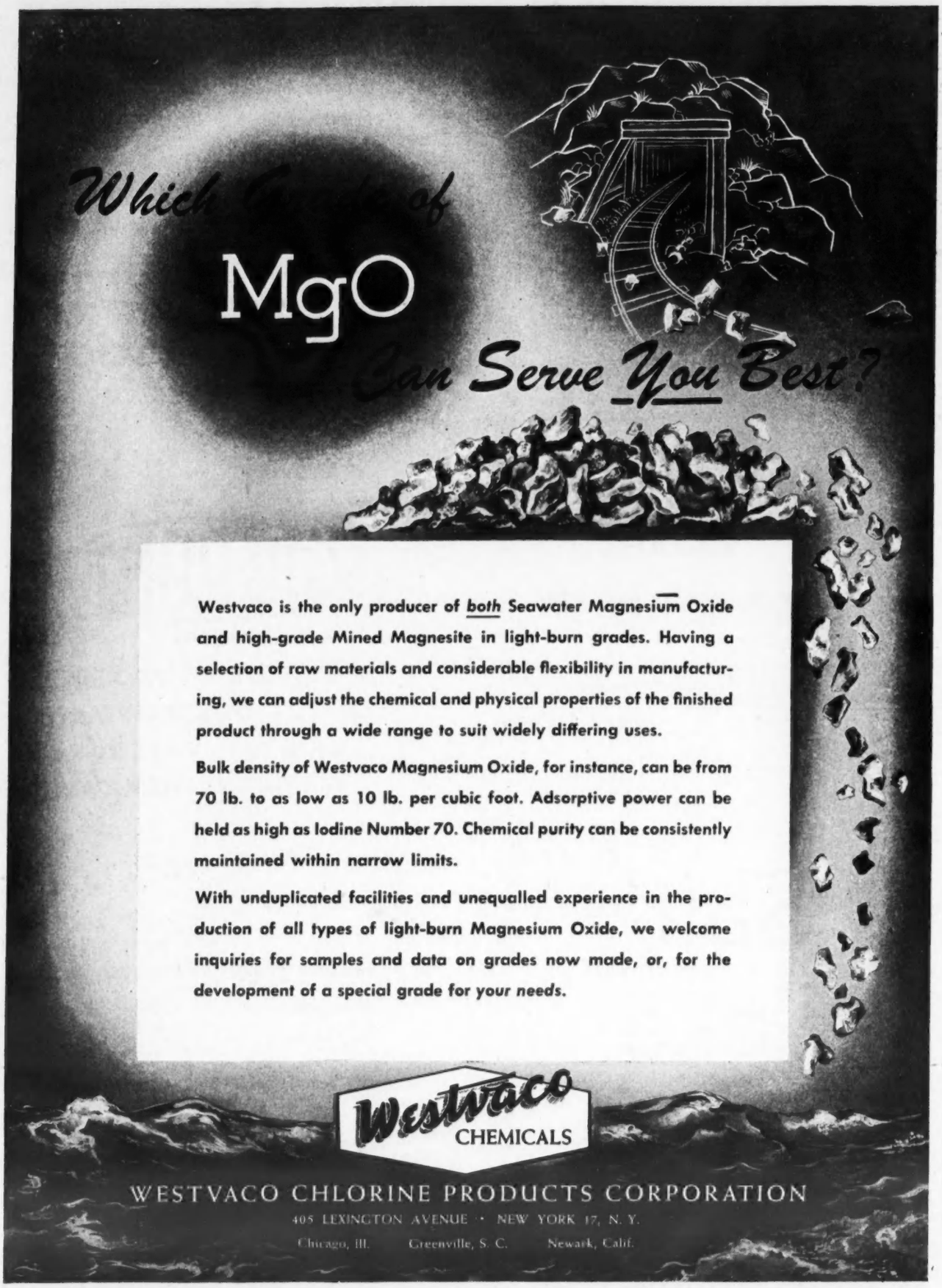
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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

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No. 6 February 7, 1944 Volume 145

Cartel Analysis Lauded by Kilgore

OPD Washington Bureau

A seventy-five-page monograph on the economic and political aspects of cartels, prepared by the antitrust division of the Department of Justice for the information of the senate military affairs committee now studying the Kilgore bill for establishment of an Office of Technological Mobilization and Research, was made public February 3 by Senator Harley M. Kilgore of West Virginia, chairman of the subcommittee on war mobilization.

The monograph was written by Dr. Corwin D. Edwards, chairman of the policy board of the antitrust division, and tells of the principal types of international cartels in existence, how they are used as devices to control markets and production, how they are employed to evade national laws and

Haulage Reporting Requirements Tightened

OPD Washington Bureau

A modification of haulage request TR-2 to include carbon bisulphide, containers, pig iron and pulpboard among those commodities which are subject to the exchange order privileges of the regulation was issued by the War Production Board February 2. The order was also amended to tighten up the reporting requirements while at the same time putting them on a monthly basis.

Persons who effect arrangements for purchases, sales, exchanges or loans of materials listed in the regulation must report to the board the effective date and duration of the arrangement, kind and quantity of material involved, and location of points of original and destination of the materials.

They also must state that to the best of their knowledge and belief no supplier, distributor or producer of the material involved is or will be deprived by the arrangement of an opportunity to share equitably in the available supply and use of transportation and storage facilities, and that no consumer of the material is or will be treated inequitably in the distribution of such material by reason of the arrangement.

A separate letter for each material involved must be filed monthly and must include the quantity of the material involved and the actual location of points of origin and destination, or of storage facilities.

Insect Repellent Improved for Army

OPD Washington Bureau

The Quartermaster Corps in collaboration with the Surgeon General's Office has adopted a "shotgun" type formula for an insect repellent for use of American soldiers, the War Department reports.

The formula for the new repellent has not yet been made public, but it is reported by the department that it combines the active ingredients of the two types of repellent now in use together with certain other ingredients which makes it effective against nearly all kinds of flying insects. It is expected to replace the older types entirely in 1944 for protection against all types of mosquitoes and also to provide greater protection from flies, gnats, and other insects.

The effectiveness of the repellent does not extend for any great distance. Mosquitoes have been observed to approach within a half-inch of the protected skin area before shearing off. Even if they don't bite, insects flying around the face and eyes cause untold annoyance, and chemists are continuing the search for a compound which will be effective for greater distances.

Mercury Ban Lifted by WPB

OPD Washington Bureau

The War Production Board has announced the removal of all restrictions on mercury imposed by conservation order M-78, with the revocation of the order. This action was taken because of the improved supply-demand position in respect to mercury.

Statistics reveal that at present rates of consumption there is a two-year supply in the government stockpile. The principal effect of revocation will be to permit the use of mercury in place of inferior substitutes, WPB said.

OPA Names Walters Regional Director

OPD Washington Bureau

Rae E. Walters, director of the Des Moines district of the Office of Price Administration, has been appointed by Price Administrator Chester Bowles as Regional Administrator for the sixth region with headquarters in Chicago. He succeeds Ray McKeough of Chicago, who resigned in December. OPA region VI consists of the States of Illinois, Wisconsin, Minnesota, Iowa, North Dakota, South Dakota and Nebraska.

Victor Chemical Patent Claim Heard by APC

OPD Washington Bureau

Claim of Victor Chemical Works, Chicago, to the Bornemann & Huber patent application 276020 covering water-softener agents, which has been seized by the Alien Property Custodian on the grounds that it was enemy owned, was heard by the APC February 1.

The company told the hearing board that, while it did not claim title to the patent itself, it had an exclusive contract with Chemische Werks Albert, Weisbaden, Germany, to develop and market in this country tripolyphosphates as a water-softening agent

—*Continued on page 37*

Wholesale Drug Industry Operating Costs Are Surveyed

OPD Washington Bureau

A study of the warehouse and order-filling operations in the wholesale drug trade to develop facts on efficiency that might prove beneficial to the industry as a whole in reducing operating expenses is being made by the Distribution Division of the Bureau of Foreign and Domestic Commerce with the cooperation of the National Wholesale Druggists Association and the Federal Wholesale Druggists Association.

The survey, under the direction of N. A. Miller, chief of the distribution management unit, is being made by W. H. Meserole, who recently completed a tour of the large and small wholesale drug houses in the East and plans soon to check the methods employed by distributors in other sections of the country.

Results of the survey thus far indicate that the industry has come a long way in the past fifteen years in putting the order handling processes on a more efficient basis and has seen its operating costs reduce from about 17 percent in 1930 to an average of probably around 9 percent at the present time. Mr. Meserole said that rarely do the operating costs go above 12 percent at this time.

On the average, Mr. Meserole said, there are from 13 to 15 steps in filling an order from the time it is received until the time it is ready for delivery. These include such routine matters as writing up the order, checking on the credit of the retailer, pricing, accounting, order picking, checking, packaging, etc.

These are all necessary steps that must be taken in any business of selling and there are but few opportunities afforded in shortcutting the procedure. However, he found a wide variety of order blanks and other forms in use in the industry and expressed the feeling that some standardization in this respect would be helpful. Savings in time could be made in the industry by adoption of standardized order practices and this also would be beneficial in the long run in "breaking in" new office help, as well as checkers, pickers, etc., in the warehouses.

Mr. Meserole also found fault with the common type warehouses used by the wholesale druggists, stating that the effects of their practice has been to secure low occupany costs without giving enough thought to layout efficiency in performance of the routine operations of the day's work. He emphasized his belief that wholesalers should construct their warehouses around their operations instead of trying to fit their operations into a building not suitable for the wholesale druggists purposes. The use of warehouses built by others for other purposes may visit on the drug wholesaler a continued high-cost operation as the price of the bargain he secures when he buys such buildings cheap, he said.

Cinchona Plantings In Costa Rica Extended

OPD Washington Bureau

Arrangements have been made for the planting of about 100,000 cinchona seedlings at Turrialba, Costa Rica, to aid in the development of a quinine-producing industry in Latin America, it was announced February 1 by Earl W. Bresman, director of the Inter-American Institute of Agricultural Sciences, which was established last year to coordinate agricultural research and development in the Western Hemisphere.

The seedlings are part of those grown from 2,000,000 cinchona seeds which were taken out of the Philippine Islands just before the fall of Bataan by Col. Arthur F. Fischer. The planting arrangement, made in cooperation with the War Department and the Foreign Economic Administration, is the largest single transplanting resulting from the Philippine seed stock. Previously, a trial lot of 1,000 of the seedlings had been sent to Turrialba.

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A.P.M.A. Groups To Meet in March

The Western production meeting of the American Pharmaceutical Manufacturers' Association will be held March 3 and the sales and advertising meeting March 4, at the Palmer house, Chicago. The Eastern sales and advertising meeting will probably be held at either the Pennsylvania Hotel or the New Yorker, this city, March 11.

Drug Shipments to Middle East To Be Increased This Year

OPD Washington Bureau

Modification of foreign trade controls to permit increased shipment of drugs, pharmaceuticals, and other health supplies through normal commercial channels to the Middle East this year was announced February 3 by the Foreign Economic Administration.

The modifications that will contribute to increase in commercial handling of Middle East drug needs are:—

(1) A total of 300 tons of shipping per month for territories within the Middle East supply area has been allocated for drugs and pharmaceuticals, in addition to the programmed list of "essential" drugs. This is a very large increase over the shipping space which was available in 1943, when no specific allocations were made. The shipments within this total will be forwarded under commercial orders from whatever suppliers in the United States or other areas are selected by private importers in the Middle East.

(2) During 1943, because of difficulties of procurement and shortages of supply and shipping, a limited list of essential drugs was programmed in the form of a "bulk indent," a part of which was supplied from Britain with the remainder procured in the United States through Lend-Lease channels. The items on the bulk indent were in addition to the amounts moving commercially, which have reached substantial levels during recent months. Whenever it is possible to do so, articles on even this limited and critical list will be shipped on commercial order in 1944.

(3) In the case of Middle East countries where utilization of commercial channels is not deemed feasible at this time, government purchasing by those countries will be channeled through commercial exporters whenever possible, instead of handling the procurement through the Lend-Lease mechanism.

The countries involved are Egypt, the Anglo-Egyptian Sudan, Iran, Iraq, Syria, the Lebanon, French Somaliland, Ethiopia, Eritrea, Saudi Arabia, Cyrenaica, and Tripolitania. Civilian imports for all these counties are programmed by the Anglo-American East Supply Center in Cairo.

The FEA said that improvement in the supply and shipping situations made the development possible, and commercial channels will be used to the full extent permitted by the governments of the Middle East countries. This is in accordance, it was

—*Continued on page 61*

Sulfa Drug Monopoly Broken by Brazil

A decree-law signed by the President of Brazil early in January grants dutyfree entry for a period of 180 days to imports of sulphonamides and derivatives and preparations thereof. It also exempts imports of vitamins from duty for the same period.

This law also suspends until further notice the Brazilian patents and other privileges relative to sulphonamides and their derivatives and preparations. The principal commodities affected by this provision are sulphathiazole and sulphapyridin. Suspension of the patent rights on these drugs for an indefinite period breaks the monopoly on their sale which has been had by Companhia Quimica Rhodia Brasileira S.A., and shared with Productos Quimicos Ciba with respect to sulphathiazole. This monopoly has been effective to prevent the introduction into Brazil of sulfa drugs produced in the United States.

The stated reason for the provisions of the new decree-law was to prepare Brazil for a possible epidemic of influenza, prevalent at the time in this country and England.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Feb. 4, 1944	Jan. 28, 1944	Feb. 5, 1943
138.2	138.6	135.8

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price advances were more numerous than reductions in the markets for chemicals and related materials last week. The reductions, however, were of stronger influence, and the net effect was a lowering of the general average.

The notable feature was the appearance again in the downward movement of the major synthetic vitamins. The movement in the opposite direction comprised chiefly botanical drugs and dry and wet natural aromatics, both of which had some representation on the down side also.

Business moved along quite steadily, all things considered. There was a growing interest in fertilizer materials, expectations being cheered by recent revisions of official rules in that field. Containers created the worst bottleneck.

Bids Wanted

Ammonium Sulphate:—4 tons, Supply Officer, Veterans Administration, Facility, Canandaigua, N. Y.; invitation 44-128, opening February 15.

Ascorbic Acid:—16,000,000 tablets, Chief, Special Commodities Branch, War Food Administration, Office of Distribution, Food Distribution Administration, Washington (25); announcement FSC 1806, opening February 15.

Chrome Yellow:—15,000 pounds, Purchasing Agent, Bureau of Engraving and Printing, Washington (25); invitation BEP-720, opening February 11.

Dichloromethane:—Assistant Chief, Service Division, Federal Works Agency, Public Buildings Administration, Office of Buildings Manager, Washington (25); invitation 2318, opening February 7.

Fertilizer:—52 tons, Supply Officer, Veterans Administration, Facility, Coatesville, Pa.; invitation 44-130, opening February 11.

Linseed Oil, raw edible:—Chief, Procurement Section, Fats and Oils Branch, War Food Administration, Office of Distribution, Washington (25); announcement FSC 1801.

Linseed Oil, refined edible:—Chief, Procurement Section, Fats and Oils Branch, War Food Administration, Office of Distribution, Washington (25); announcement FSC 1802.

Muriate of Potash:—3½ tons, Supply Officer, Veterans Administration, Facility, Canandaigua, N. Y.; invitation 44-128, opening February 15.

Nitrate of Soda:—3½ tons, Supply Officer, Veterans Administration, Facility, Canandaigua, N. Y.; invitation 44-128, opening February 15.

Paints:—Supply Officer, Veterans Administration, Oteen, N. C.; invitation 44-144, opening February 14.

Salt:—40,000 pounds, Chief Clerk, Justice-Prisons, Federal Prison Industries, Federal Correctional Institution, Tallahassee, Fla.; invitation PI-25-68-4, opening February 7.

Soap:—1,500 pounds, Supply Officer, Naval Air Station, Norfolk, Va.; schedule 842, opening February 7.

Soap, Laundry:—1,200 pounds of powder, Supply Officer, Veterans Administration, Mountain Home, Tenn.; invitation 44-138, opening February 10.

Superphosphate:—13 tons, Supply Officer, Veterans Administration, Facility, Canandaigua, N. Y.; invitation 44-128, opening February 15.

Synthetic Camphor Prices Advanced

Prices on synthetic camphor have been advanced ½c. per pound. The schedule on U.S.P. quality became:—Granular, powder, 2,000 pound lots, 69c. per pound; 1,000 pound lots, 70c.; smaller lots, 71c.; tablets, 2,000 pound lots, 82c.; 1,000 pound lots, 83c.; smaller lots, 84c.

Coke By-Products Output

Estimates of by-product cokeoven operations in the week ended January 29 indicate the following outputs of by-products from that source:—

Ammonia sulphate	lbs.	40,346,880
Benzol	gals.	3,958,100
Coaltar	gals.	15,449,300
Creosote oil	gals.	817,200
Naphthalene	lbs.	1,723,700
Phenol	lbs.	229,800
Toluol	gals.	791,600
Xylol	gals.	178,800

Chinese Peppermint Oil $26 Per Lb. in Britain

LONDON, Feb. 4, 1944.

Chinese peppermint oil is quoted 130s. per pound. Carnauba wax, 415s. per hundredweight.

OPA Simplifies Financial Reports

OPD Washington Bureau

Simplification and condensation of the forms on which corporations are requested to make annual and quarterly financial reports have been announced by Chester Bowles, Administrator of the Office of Price Administration. These are the forms, known as A and B, which OPA has used for two years to obtain information concerning financial trends in different industries as a basis for price actions.

Form A for making the annual report has now been reduced to four pages containing four schedules. Several pages requesting general information, including detailed information on salaries, have been eliminated and other sections have been simplified and condensed. The revised form consists of a greatly simplified statement of profit and loss, an analysis of sales, a balance sheet, and a combined statement covering changes in surplus and surplus reserves.

All instructions for completing form A are now printed separately, and

—*Continued on page 56*

Cellophane Limitations Modified by WPB

OPD Washington Bureau

The cellophane limitation order, L-20, was modified February 4 by the War Production Board to tighten controls over use of cellophane for "retail decorative point-of-sale" packing or wrapping, and relaxed in other respects to provide relief in cases of extreme hardship where substitutes have proved unsatisfactory.

The amended order permits use of cellophane for milkbottle hoods by dairies bottling 84,000 or less bottles a month. Other modifications permit its use in the manufacture of additional rubber products, in wrapping of unexposed commercial files, and in the packaging of paradichlorobenzene and naphthalene.

Delivery controls are extended to include idle or excess stock; while second-quality, or off-grade material, is placed under the restrictions applying to first-grade stock.

The definition of "cellophane" is changed to exclude sheeting which is already under allocation order M-326-a.

Contract Termination Data to Be Available

A new administrative order providing for recording and distributing information on contract terminations and procurement program adjustments, to be channeled to appropriate government agencies for their use, has been announced by the War Production Board.

The tabulation will be conducted under the direction of the chief of the general statistics staff, Bureau of Planning and Statistics, who will be chairman of a committee representing several WPB vice-chairmen.

The tabulation will show the resources made available as a result of modifications in procurement programs resulting from changing military requirements. The information will be of value to the War Manpower Commission in anticipating labor layoffs and providing for the reshifting of resulting available manpower. It will also be used in scheduling open facilities for other war contracts and civilian production of essential goods.

Childress Is Deputy WPB Operations Head

OPD Washington Bureau

Appointment of Wade T. Childress as deputy vice-chairman for operations of the War Production Board was announced February 4 by L. R. Boulware, operations vice-chairman. Mr. Childress, who has served with WPB since May, 1941, was deputy vice-chairman in charge of area production urgency operations in the executive office of the chairman prior to his new appointment.

Made Purchasing Head

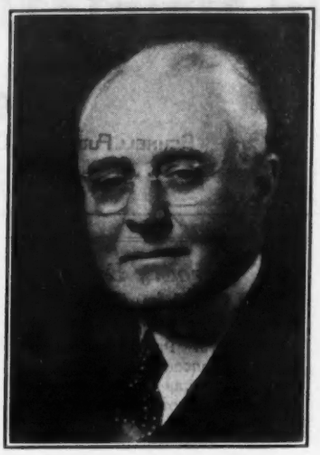

Photo Conway

Frederick W. Clayton has been appointed purchasing agent of the General Printing Ink Corporation, this city. He succeeds Charles R. Sherman.

Tremolite Talc Mining Held Health Hazard

The New York State Department of Labor has found that the mining and milling of tremolite talc in New York State presents a definite workers' health problem, Industrial Commissioner Edward Corsi stated February 2. After a study of tremolite talc miners and millers and mine and mill operations, industrial hygiene experts of the department reported to the commissioner that "exposure to tremolite talc dust must be considered to constitute a definite industrial hazard requiring control of dust by suitable engineering methods."

In the New York State talc mining and milling establishments alone, there are less than 500 workers, but there are thousands of workers in industries where talc is used as an ingredient of manufactured products who may be exposed to high concen-

—*Continued on page 56*

Private-Formula Pricing Simplified by OPA

OPD Washington Bureau

MPR 282 governing manufacturers' sales of private-formula drugs and cosmetics has been modified to provide pricing methods simpler and more uniform than those now in effect and to make them conform more nearly to established practices, said the Office of Price Administration February 6.

The changes, made after consultation with the industry and a year's experience in operating under the original regulation are (1) a new, simplified method of selecting a "most comparable product," (2) a uniform method of filing a specified reporting form and statement in pricing a new product, and (3) a new section providing a method for adjusting manufacturer's prices to compensate for increased production costs.

The changes will not affect present retail prices, OPA said.

Arsenical Insecticide Restrictions Eased

OPD Washington Bureau

Restrictions on the sale and use of arsenical insecticides for protection of shade trees, nurseries, lawns, and golf courses have been withdrawn by WPB, it was announced February 4.

At the same time restrictions on the use of steel drums for arsenical insecticide shipments also were lifted.

C. P. Given, packaging officer of the Chemicals Bureau, said that permission is now being granted to use minimum gauges., 26-gauge being agreed on for 100-pound drums. Shippers and manufacturers will be expected to use up fiber containers now on order before switching over to steel drums. The drums will be authorized on the basis of calendar quarter needs.

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Chemical Workers Pay Shows Gain

Hourly earnings of factory workers in chemical and related fields increased 0.2 percent between October, 1943, and November, 1943, according to data reported by the Secretary of Labor. These workers' weekly earnings showed a decrease of 0.4 percent, with an average of $42.45. This compared

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Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Puerto Rico to Get 13.6c. Per Gal. for Blackstrap

OPD Washington Bureau

An agreement for purchase of the surplus supply of Puerto Rican blackstrap molasses at 13.6 cents per gallon, to be shipped to the United States for conversion into high-proof alcohol, was signed by Defense Supplies Corporation January 29. A delegation of five representatives of DSC and the Foreign Economic Administration, meanwhile, is now in Havana negotiating for the purchase of Cuba's blackstrap at a similar price.

The agreement with the Puerto Ricans was with the holders of about 18,000,000 gallons of blackstrap who had not previously agreed to sell their product to the DSC. Holders of about 20,500,000 gallons previously had agreed to sell with an esculator clause in their contract increasing the price to whatever level was finally decided upon for the island's blackstrap supply.

The agreement means that all blackstrap not consumed in Puerto Rico in the manufacture of rum will be shipped to the United States for conversion into alcohol. It is not known

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Cans Quota Method Explained by WPB

The War Production Board has issued an explanation of the method to calculate 1944 metal can quotas under order M-81 where the quantity of glass used for packing products listed in the order is charged against tin quotas. Order M-81 controls the use of cans for all products.

As an example illustrative of the method to be used, assume that a person packing paint products as permitted under Item 43 of Schedule III determined that 75 percent of the area of metal plate used by him in 1940 for these products was 1,200 base boxes, the standard of measurement in the trade. The largest listed size for products in Item 43 is one gallon, which requires 10 base boxes per thousand cans.

Therefore, using the largest listed size (1-gal.) as a basis, this person could pack 120,000 gallons of paint products. Assume that this person packs in glass containers during 1944 a total in terms of gallonage of 15,000 gallons of paint products. Deducting 15,000 from 120,000 will leave 105,000 gallons, which if converted to base boxes (again using 10 base boxes per thousand as a conversion factor) will result in 1,050 base boxes. These 1,050 base boxes represent the area of plate that may be used for packing paint products in any of the sizes permitted for these products.

WPB Makes Greenleaf N.Y. Regional Director

OPD Washington Bureau

Lewis S. Greenleaf, jr., has been made director of the New York region of the War Production Board. Mr. Greenleaf, who has been Acting Regional Director since last November, joined the WPB, Washington, in March, 1942, as chief of the Special Industrial Machinery Branch of the Office of Industry Operations. On October 1, 1942, he became assistant deputy director general for Industry Operations under Ernest Kanzler. In December, 1942, he became director of the Consumers Durable Goods Division, which post he held until his appointment as acting New York regional director last November.

ODT Clarifies Single Specific Motor Haul

OPD Washington Bureau

The Office of Defense Transportation has said that a single specific movement by a private motor truck operator to a point or points not served by him before October 25, 1943, does not constitute a new or extended operation requiring prior approval of the ODT under amendment No. 6 to general order ODT 17.

The ODT pointed out that a single movement by a private truck operator was similar in this respect to a single operation by a "for hire" truck under temporary authorization of the Interstate Commerce Commission or a State regulatory body. In either case, the ODT said, a single movement does not constitute a new or extended operation requiring prior ODT sanction.

The shortage of containers—all types, metal, glass and paper—has become the biggest problem now facing WPB and shippers. There are a few indications that some relief is in sight, but it is a long way off and the best advice that those who have to answer the complaints of industry can offer is to conserve, substitute, and reuse again and again whatever containers they have until production catches up with demand.

A summary of the situation goes something like this:—

Steel Drums.—There is a slight easement in new drum supplies, but only slight. This is due to the withdrawal by the Army Air Corps of its contracts with drum manufacturers, but the situation is prevented from showing real improvement by the landing barge program. This calls for thousands upon thousands of tons of steel plate, and the mills can't make the sheet steel for drums until this program is fulfilled.

Glass.—Supplies are still exceedingly tight, with demand far outrunning production. The industry has neither the capacity nor manpower to correct the situation, and with the tinplate situation improving there is a trend now to switch back from glass to tin.

Paper and Fiber Board.—This is the most difficult of all, and WPB is warning in every way possible that the only solution is reuse of containers. The pulp industry has been hard hit recently by weather conditions and that makes the situation outlook worse. In the South, storms halted all operations in some sections for a week; while in the Canadian woods, operators are finding for the first time in history that the icy trails down which logs are slid have thawed, and the logs are jamming up.

Civilian Supply Seeks Pilot

WPB Chairman Nelson is looking for someone with a big name who knows his way around in the government and in Washington to take over the highly dubious and thankless job of seeing to it that the civilians don't get too bad a break in the cutting up of the materials supply.

Arthur D. Whiteside, director of the Office of Civilian Requirements, who hasn't done such a bad job considering what he has been up against, wants to resign and go back to his old job of running Dun & Bradstreets. He wants to leave as soon as possible, and planned to get away around February 19, but at Mr. Nelson's request he will stay around a while longer in the hope that someone else, meeting the qualifications mentioned above, will come along to offer his services.

If Mr. Nelson finds the man he wants, he will consider himself fortunate—because the trend now is away from Washington and back to private business.

Postwar Controls

OPA officials are very much concerned over what is liable to happen to their ration and price-control programs when the war ends. A lot of people, it is feared, are going to tear up their ration books in celebration of the event, and local boards will be resigning in mass. If that comes to pass it is going to lead to a lot of headaches all the way round.

Officials would like to be able to drop the ration programs one minute or thereabouts after the termination of hostilities. But they don't see how this can possibly be done without causing too much confusion and disruption. It will be recalled that, after the last war, price controls were dropped almost immediately upon the signing of the armistice, with the result that both prices and wages swung up rapidly.

About the most that can be hoped for when the European phase of the war is ended is an adjustment of the control programs accordingly. It is thought that, if the war ends between now and the Spring of 1945, food rationing and price controls can be lifted by the Fall of 1945; shoe rationing would be ended very soon; and in a matter of months the market for clothing would soften significantly; tire rationing would end fairly promptly, but automobile rationing would continue for months longer.

Tangerines Make Syrup

Last Winter the Department of Agriculture's Citrus Products Station, Winter Haven, Fla., set out to find if there was not some use that could be made of cull tangerines. The search was successful. The investigators found they could make a bland syrup of the tangerine, similar to bland apple syrup.

The product has as many potential uses as bland apple syrup in both the food and industrial fields, it is reported. It has an advantage over cane syrup in that it retains moisture for a longer period, and thus it may be found useful in the baking industry. It also can be used by cigaret manufacturers as a replacement for glycerin or bland apple syrup (apple honey). There isn't any commercial production yet, although some interest has been shown in this direction.

The Winter Haven studies also resulted in a concentrated tangerine syrup useful for a beverage base. The syrup is light brown, with an attractive, distinctive flavor suggesting honey and fruit. It retains from half to three-fourths of the vitamin C (ascorbic acid) of the fresh fruit.

Latin American Advertising

An upward trend seems to be developing in advertising by American firms in Latin America. A quick survey just made by the Coordinator of Inter-American Affairs indicates that expenditures by United States advertisers in other American republics this year will approximate $13,700,000, which is about 17 percent more than 1943.

William A. Anderson, in charge of the advertising section of CIAA, says the increase is "impressive," in view of the fact that some of the big advertisers, like the automobile industry which has nothing to sell, are dropping out of the picture. It indicates that a higher value is being placed upon the Latin-American market by American business as a whole, because up until last year the trend had been downward.

As in the past pharmaceutical manufacturers show up among the leaders, with large budgets for Latin American advertising.

Surplus War Goods

The government's program for disposal of surplus materials is moving along much faster than it would appear on the surface. The Procurement Division of the Treasury Department has accumulated quite a heavy docket of materials no longer needed to win the war and has laid the question before Secretary Morgenthau as to how best they should be disposed of.

Contents of the docket are very much a secret and will be kept under wraps until some decision has been made. To reveal them now would only provide ammunition for a lot of pressure groups seeking to get something for nothing or at least at a very much reduced price.

Probabilities are, however, that such things that fall in the class of necessities of life will not be available to buyers here at all. There is considerable definite thinking along the line of turning these materials over to UNRA for distribution among the distressed populations of Europe won back from the axis.

Lots of Aluminum Around

The aluminum production and supply picture has shown such great improvement in the past year that there is much talk in WPB of practically lifting all the wraps off the use of this metal. The country is outproducing the rest of the world in this material, so much so that more is being turned out than will ever be needed to win the war.

—*Continued on page 39*

Fats, Oils Allocations Set for 1944

The supply of edible fats and oils products tentatively allocated to civilians for 1944 is about 44 pounds per person, substantially the same rate as during the last six months of 1943, the War Food Administration has announced.

The allocations are definite for the first calendar quarter—January, February and March—but are subject to adjustment for the succeeding quarter. During January, February and March, civilians will get 410,000,000 pounds of creamery and farm produced butter compared with the allocation of 435,000,000 pounds in the October-December (1943) quarter; 455,000,000 pounds of lard, compared with 457,000,000 pounds in October-December; 150,000,000 pounds of margarin (120,000,000 pounds fat content) compared with 125,000,000 pounds (100,000,000 pounds fat content) in October-December, and 427,000,000 pounds of shortening, cooking and salad oils compared with the allocation of 426,000,000 pounds in the October-December quarter.

Present estimates indicate that the 1944 supply of edible and inedible fats and oils available for allocation will be slightly more than 12,000,000,000 pounds. About 68 percent of that total (8,300,000,000 pounds) will be utilized as food—69 percent for civilians; 9 percent for military and war serv-

—*Continued on page 49*

Resin Importers Resume Trade When Practicable

OPD Washington Bureau

American importers have advised government officials that they are ready to resume importation of essential resin gums from recovered territories in the Far East, the War Production Board has reported. The trade has an annual peacetime volume of $25,000,000. The gums, chiefly soluble copal, hiroe and rassak, are becoming available in New Guinea and other points, according to members of WPB's Natural Resins Importers' Advisory Committee. They are of unsorted types, formerly processed at Manila, Singapore, Macassar and Batavia, WPB was told.

Members of the committee have asked WPB to place the gums under general order M-63, regulating imports of strategic materials, so that shipping quotas can be established. One importer reported he already had a consignment waiting on an Australian dock for shipment to the United States.

—*Continued on page 46*

Alcohol Allocation Order Clarified

A clarifying amendment to the allocation order governing ethyl alcohol has been announced by the War Production Board. The amendment limits those who may qualify as former users in connection with the manufacture of drugs and cosmetics to those who were users during the year prior to July 1, 1943. The small order exemption is also rephrased to make it clear that purchasers may not acquire the maximum small order of each alcohol type, but only of one.

Another change permits hospital and other institutions to acquire, without specific authority, the amounts of alcohol they are permitted to receive tax free under Bureau of Internal Revenue permits. Previously, WPB authority was required.

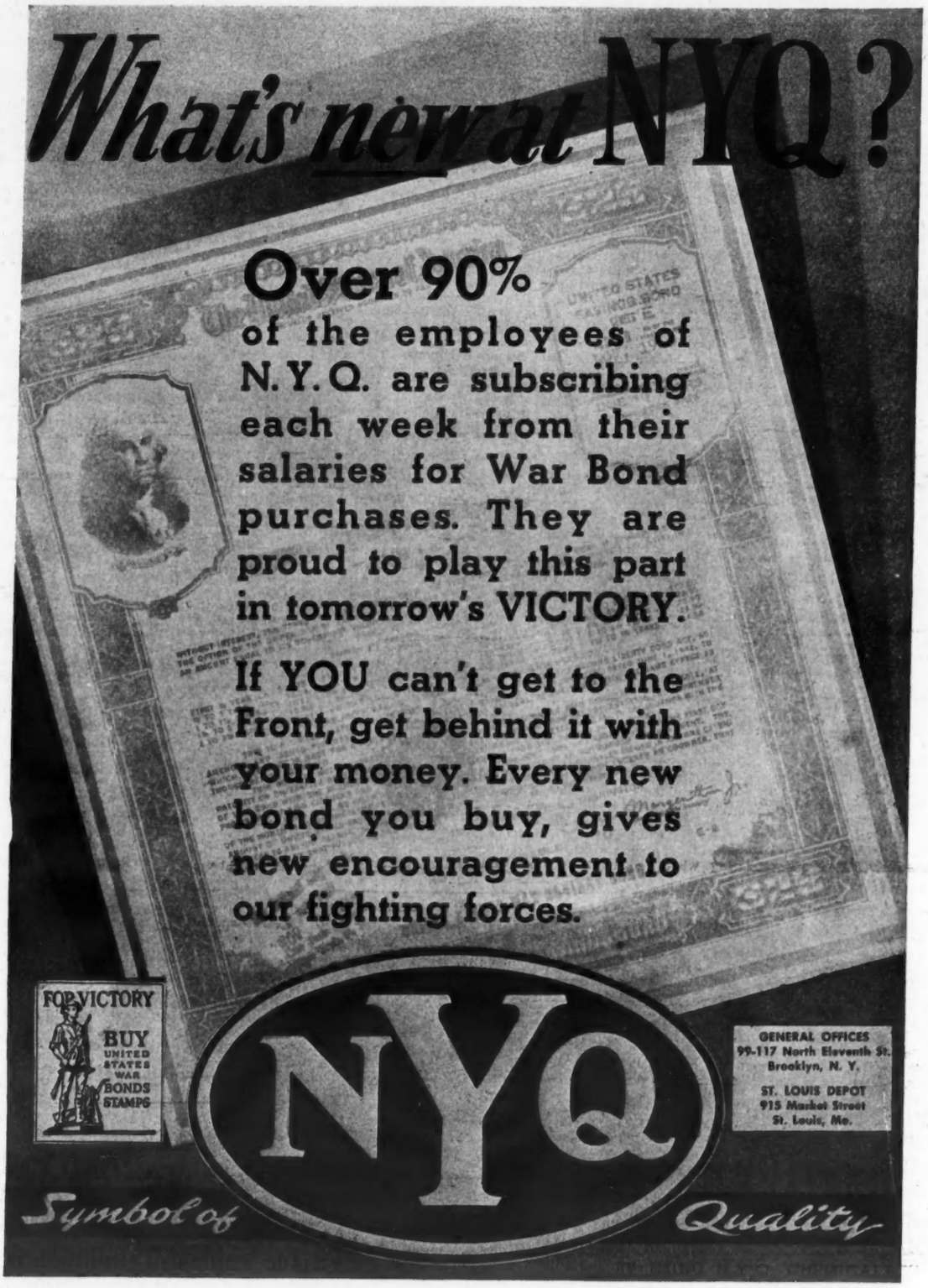
Spices, Barks, Minerals Madagascar Rates Set

OPD Washington Bureau

The War Shipping Administration has approved the following base rates, plus a surcharge of 30 percent, on shipments of spices, barks, oils, minerals, etc., from the main ports of loading in Madagascar to United States Atlantic ports.

The loading ports to which the base rates apply are Diego Suarez, Tamatave, Tulear, Morombe, Morondava, Majunga and Nossi Be. An additional $1 per ton, as freighted, is allowed to be charged from ports other than the main ports named. The new rates, which are in United States dollars unless indicated, contained in rate or-

—*Continued on page 61*


What's new at NYQ?
Over 90%
of the employees of N.Y.Q. are subscribing each week from their salaries for War Bond purchases. They are proud to play this part in tomorrow's VICTORY.
If YOU can't get to the Front, get behind it with your money. Every new bond you buy, gives new encouragement to our fighting forces.
FOR VICTORY
BUY
UNITED STATES WAR BONDS STAMPS
NYQ
GENERAL OFFICES
99-117 North Eleventh St.
Brooklyn, N. Y.
ST. LOUIS DEPOT
915 Market Street
St. Louis, Mo.
Symbol of Quality

Chemical Production: 1941-43

The Bureau of Census has issued a compilation of production, consumption at producing plants, and stocks on hand for the 1941 to 1943 periods. The data were compiled by the bureau from manufacturers' reports collected for the War Production Board. The production statistics given were believed to be complete, except for quantities produced by government-owned arsenals, ordnance works, and certain plants operated for the government by private industry. Chemicals manufactured by the Tennessee Valley Authority, however, were included.

The chemicals in the compilation were restricted to a selective group composed for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication of data. A few important items have been omitted for security reasons. Also, statistics on some inorganic chemicals, such as calcium and sodium hypochlorite solutions, aluminum chloride and aluminum sulphate, are not included in this report because of the difficulty of obtaining comparable data from various producers.

	1943 (11 mos.)			1942			1941		
	Production	Consumption in producing plants	Stocks at producing plants (end of period)	Production	Consumption in producing plants	Stocks at producing plants (end of period)	Production	Consumption in producing plants	Stocks at producing plants (end of period)
Acetylene .....1,000 cu.-ft.	4,036,286	607,680	*11,397	3,123,456	489,123	11,866	2,123,456	345,456	12,123
Ammonia, anhydrous, synth..tons 100%	494,222	340,292	4,911	**543,352**	**262,442**	3,828	501,271	274,587	5,031
Bleaching powder.....1,000 lbs. 35-37%	57,154	7,903	679	67,588	15,547	1,723	36,569	.....	676
Calcium acetate.....1,000 lbs. 80%	18,783	.....	413	26,692	.....	2,685	23,645	.....	588
Calcium arsenate.....1,000 lbs. 100%	64,008	3,339	8,349	77,796	3,762	5,167	48,833	1,169	3,571
Calcium carbide.....short tons 100%	564,862	.....	11,571	500,781	.....	12,005	370,294	.....	12,178
Calcium hypochlorite, true.1,000 lbs. 70%	10,606	.....	950	11,321	.....	266	9,953	.....	378
Calcium phosphate, mono.1,000 lbs. 100%	61,380	.....	279	63,941	.....	6,019	65,392	.....	4,355
Carbon dioxide, solid....1,000 lbs. 100%	511,505	9,540	3,514	536,699	13,183	4,015	429,387	11,919	1,099
Liquid and gas.....1,000 lbs. 100%	291,885	26,121	1,861	280,348	90,063	2,192	246,635	78,238	1,687
Chlorine .....short tons	1,100,336	638,203	741	987,784	557,796	8,260	797,976	396,079	5,658
Chrome green.....1,000 lbs. C.P.	7,393	807	840	8,919	1,113	1,212	11,524	1,422	884
Glauber's salt.....tons	741,595	68,579	67,820	793,409	84,461	27,615	721,796	79,762	17,903
Hydrogen .....1,000,000 cu. ft.	21,189	17,803	.....	21,214	17,530	.....	17,393	13,113	.....
Lead arsenate, acid, basic....1,000 lbs.	66,985	1,767	8,464	**63,577**	**4,124**	**4,446**	74,443	476	10,215
Lead, red.....1,000 lbs. 100%	92,361	*14,151	4,723	100,068	6,314	9,174	105,722	5,801	6,971
Lead, white.....tons	59,999	19,182	5,483	106,883	34,806	10,621	125,928	41,744	3,991
Methanol, natural.....gals. 80%	4,471,557	.....	261,344	5,852,706	.....	720,869	6,024,868	.....	700,615
Synthetic .....1,000 gals. 100%	59,889	.....	5,143	62,344	.....	4,318	55,847	.....	1,781
Molybdate orange.....lbs. C.P.	1,624,294	38,092	119,549						
Muriatic acid.....tons 100%	311,075	192,769	2,398	297,099	189,604	3,432	228,270	100,805	3,073
Nitric acid.....tons 100%	445,703	364,613	8,556	428,624	343,451	13,276	347,360	289,847	12,124
Nitrous oxide.....1,000 gals. 100%	100,973	.....	5,368	112,327	.....	4,422	99,560	.....	5,488
Oxygen .....1,000 cu. ft.	15,129,583	421,882	*22,916	**12,874,277**	**339,506**	22,475	8,661,561	266,869	49,943
Phosphoric acid.....tons 50%	582,971	528,129	12,551	617,269	567,568	15,374	661,504	597,985	17,003
Potash, caustic.....tons 100%	37,270	7,933	2,242	35,028	7,839	3,770	34,641	7,968	1,441
Potassium bichromate and chromate... 1,000 lbs. 100%	8,910	.....	725	10,125	.....	926	10,518	.....	1,210
Potassium chloride.....tons 100%	283,639	.....	41,414	999,150	.....	7,287	772,216	.....	10,967
Soda ash, ammonia-soda...tons 98-100%	4,014,917	.....	777,258	3,788,583	.....	108,411	3,606,828	.....	36,213
Natural .....tons	149,760	.....	2,206	136,172	.....	1,054	100,734	.....	3,240
Soda, caustic, liquid, elect...tons 100%	931,093	219,845	33,645	939,878	219,445	90,480	743,316	161,065	30,967
Lime-soda process.....tons 100%	**607,456**	.....	17,131	634,291	.....	29,426	685,994	.....	33,084
Sodium bicarbonate, ref.....tons 100%	158,806	.....	4,862	**160,637**	.....	4,186	**169,446**	3,311	5,266
Sodium bichromate, chromate.tons 100%	75,776	.....	894	78,955	.....	2,055	83,415	.....	1,508
Sodium phosphate, mono.1,000 lbs. 100%	19,714	.....	541	20,934	.....	1,121	16,509	.....	442
Dibasic .....tons 100%	41,964	.....	645	30,115	12,833	1,098	22,573	7,675	770
Tribasic .....tons	66,169	1,962	1,325	78,902	2,413	2,347	86,315	4,044	4,277
Sodium silicate, liquid.....ton 40%B	826,896	.....	105,581	767,977	.....	107,503	982,551	.....	119,141
Solid, all forms combined.....tons	93,239	**25,346**	11,041	76,303	24,259	9,878	90,858	.....	9,969
Sodium sulphate, anhydrous..tons 100%	58,427	.....	5,435	57,735	.....	2,062	54,248	.....	1,194
Sulphur dioxide.....1,000 lbs.	66,345	32,101	3,175	56,608	25,852	2,427	54,970	30,045	2,887
Sulphuric acid.....tons 100%	7,786,838	.....	190,942	7,753,980	.....	221,004	6,770,084	.....	237,277
Zinc yellow.....1,000 lbs. C.P.	23,699	2,594	811						

Petroleum Movement Order Revised

Petroleum Administrator for War Harold L. Ickes has announced four minor revisions in Petroleum Directive No. 59, as amended December 1, 1943, to simplify certain procedures affecting the movement of supplies.

The intent and purpose of Directive 59, Mr. Ickes said, is to assure an equitable distribution of petroleum supplies to East Coast consumers, and at the same time minimize, insofar as possible, the impact of wartime conditions on small and large oil suppliers alike. Deputy Administrator Ralph K. Davies explained the revisions as follows:

Previously Directive 59 provided for the adjustment of inventories of original suppliers as of November 30, 1943, and a division of such inventories on an equitable basis among original suppliers, but it did not provide for the issuance of assignments against such inventories. During the time the adjustments are being made, it is necessary that existing inventories be subject to current distribution. The amendment provides for this. It also provides that preliminary adjustments may be made with respect to existing inventories.

Directive 59 contemplated the making of intra-district movements, and the supply program requires that such movement be made. Because of the problems relating to pipeline operation, local requirements and other factors, it is not always possible to have the individual

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Small War Plants Loan Policy Changed

A new loan policy effective February 1, 1944, has been announced by Maury Maverick, chairman of the Smaller War Plants Corporation. This new policy increases the amount that banks are permitted to carry under a deferred participation from $100,000 to $250,000 where the bank takes a direct participation in the loan of 10 percent or more.

Interest up to 6 percent per annum is allowed on that part of the loan which the bank carries at its own risk and on the balance, which is carried under a deferred participation, interest of 4 per cent is charged with the bank paying to SWPC a graduated fee of from one-half of one percent to 1 percent per annum, depending on the percentage of the bank's participation.

N.P.V.L.A. Executive Group Chairman Elected

Thurlow J. Campbell, president of the Valspar Corporation and subsidiaries, was elected chairman of the

Thurlow J. Campbell

executive committee of the National Paint, Varnish and Lacquer Association at a meeting in New York on January 19, and Helmer A. Melum, vice-president, Benjamin Moore & Co., was elected vice-chairman for the coming year.

The meeting approved the annual budget, including provision for a constructive postwar program; reviewed the work of the Scientific Section, and

—*Continued on page 47*

Dr. Read Resigns From Rutgers University

Dr. William T. Read resigned as dean of the School of Chemistry of Rutgers University February 1. Dr. Read, on leave with the National Roster of Scientific and Specialized Personnel of the War Manpower Commission, explained that he desired to continue his work with the government agency. Dr. Peter A. Vander Muelen has been acting head of the chemical department at Rutgers

Paint Production Clubs News

A new and highly efficient method of gauging the exact makeup and quality of paint pigments by viewing and studying their atomic arrangements through a superpowerful magnifying device, called an electron microscope, was presented to members of the New York Paint and Varnish Production Club at the latest monthly dinner-meeting of that organization, held February 3 in the Building Trades Employers' Association building, at 2 Park avenue, this city.

M. C. Banca, of the RCA-Victor Division of the Radio Corporation of America, elucidated the advantages of applying this electron microscope to the production of paint and varnish pigments and plastics. He illustrated his exposition with slides and motion pictures, revealing in hugely magnified form the tiniest particles hitherto invisible under the highest powered visual microscopes. Mr. Banca said:—

Until the discovery of the principle underlying the electron microscope the greatest magnification that could be achieved was 2,000 diameters. With even the most powerful optical microscope, no one could observe the crystalline particles which serve him in industrial processes or know how or why some substances were better than others when exhaustive tests indicated that their composition should be identical.

The reason for this failure of the optical microscope on this score lay in the fact that it depended on light waves. One could not see particles much smaller than the wavelength of light. Yet many objects that one would have liked to see were smaller than that.

Then, about fifteen years ago, it was found that electrons—infinitesimal bits of electrical energy—could be made to behave in a way analogous to light waves; also that they possessed a great advantage in having a wavelength of

—*Continued on page 47*

Paint Federation Head Names Publicity Unit

Dr. Joseph J. Mathiello, as president of the Federation of Paint and Varnish Production Clubs, has named as 1944 publicity committee for the organization the following:—

A. T. Montanye, Buffalo, chairman; H. F. Adams, Chicago; Hugh Craig, New York; R. M. Hobart, Washington; C. A. Malizia, Wallington, N. J., and A. F. Voss, St. Louis.

Cylinders Return Subject to Demurrage

To speed the return of empty compressed gas cylinders, the Office of Price Administration has provided sellers of compressed gas in cylinders with a means of charging demurrage for each additional day a cylinder is retained by buyers beyond a normal period necessary to empty a cylinder.

Before this action, sellers who had not made this demurrage charge in March, 1942, base period of the General Maximum Price Regulation, could not do so. The great majority of primary sellers, however, did make the charge in the base period and were continuing to do so. The charge can now be passed on by all sellers.

In the case of sellers who own the cylinders and who heretofore have not made a demurrage charge, a charge may be instituted after OPA regional office approval has been given to a written application for authority to make a charge in line with that of competing sellers. This action will not, in general, raise the cost of compressed gases, OPA said.

Any seller instituting or modifying a cylinder demurrage charge must furnish the buyer with a written notice that OPA has given permission for this charge.

Sellers owning the cylinders who wish to institute a demurrage charge must supply the OPA regional office with the names and addresses of the nearest three competitive sellers, and, where available to applicant, the charges and conditions imposed by those sellers.

This action is provided by Amendment No. 89 to revised supplementary regulation No. 14 to GMPR, effective February 8.

Petroleum-Alcohol Funds Opposed in Congress

Legislation to halt all further allotment of funds for construction of plants to produce alcohol from petroleum was introduced in the house January 31 by Representative Anton J. Johnson of Illinois. Its stated purpose is that more consideration be given by the government to the production of alcohol from grains, waste sulphite liquor, and other materials.

Mr. Johnson said that he understands that the government plans the expenditure of approximately $300,000,000 more in building facilities for producing alcohol from petroleum "even though it takes from fifteen to twenty times as much critical materials in building such plants as it does in making alcohol from grain." Because of the depletion of petroleum resources, he argued that the government should concentrate its efforts on developing an industry based on the products of agriculture or the products of other industries, such as waste sulphite liquor of the paper industry, or sawdust.

The Johnson bill (H.R. 4006) was referred to the house committee on expenditures in government departments.

Elected President

Thomas Coyle, chlorine products manager of the electrochemicals department of E. I. du Pont de Nemours & Co., Wilmington, has been elected president of the Compressed Gas Manufacturers Association.

Buy another War Bond today, and put it in his name . . . as your personal contribution toward a brighter future . . . for him, and for your Country.

SOMEDAY . . . soon, we hope . . . Jimmy *will* come home. When he does, life . . . for him . . . will begin all over again.

He's planned and dreamed about it a hundred times. A little house in the country; a "young Jimmy" growing up in a world of peace and opportunity; a brand new car; a dog he can take hunting on a cool Autumn day . . . these are but a few of the things that Jimmy thinks of on some distant battle front.

Of course, all these things will cost money . . . the same way that fighting a war costs money. That's where you can help. You can help by purchasing an extra War Bond, not for yourself this time, but for Jimmy . . . the Jimmy *you* know. He may be a husband, son, brother, or even a neighbor's boy. *But buy another War Bond today, and put it in his name.*

The money you invest in such a bond will help shorten the war, and the time that Jimmy must remain away from home. And ten years from now, Jimmy will be able to use that bond to help make his dreams come true.

The Army-Navy "E" with a White Star has been awarded to all three plants of Merck & Co., Inc. for Excellence in Wartime Production.

★ ★ ★

Display Your Colors

Every patriotic home in America will want to display this emblem. Paste it on your front door or on a window to show that you have done your part in the 4th War Loan.

MERCK & CO., Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York, N. Y. • Philadelphia, Pa. • St. Louis, Mo. • Elkton, Va. • Chicago, Ill. • Los Angeles, Cal.

In CANADA: **MERCK & CO., Ltd., Montreal and Toronto**

Current Market Quotations Chemicals and Related Materials

February 4, 1944

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde,[4,5] 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
dms. .....lb. .42 - —
kgs. .....lb. .37 - .38
powd., bbls.....lb. .34 - .35
dms. .....lb. .40 - —
kgs. .....lb. .35 - .38
Acetoacetanilide, bbls., fib. dms., 75 lbs..lb. .49 - —
smaller lots.....lb. .67 - —
Acetone, CP,[1,2] dms., c.l., dlvd. E.[6]..lb. .06½- —
l.c.l., dlvd.....lb. .09 - —
tanks, dlvd.....lb. .07 - —
[2] OPA ceiling for East; Western ceiling, ¼c. per lb. higher.
Methyl (see Methanol).
Acetonitrile, dms., c.l., works.lb. .75 - —
l.c.l., works.....lb. .90 - 1.25
5-dm. lots, works.....lb. 1.00 - —
5-gal. lots, works.....lb. 1.25 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .80 - —
Acid, abietic, dms., c.l., wks..lb. .07½- —
Acetic,[1,2] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
glacial, nat., CP, cbys.100 lbs.13.50 -13.75
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.93 - —
USP, cbys.....100 lbs.11.70 - —
synth., CP, dms., works..... 100 lbs.12.50 -12.80
99.5%, bbls., works.100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - —
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.44 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
Acetic, anhydride,[4] dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't... 100 lbs. .45 - —
smaller lots, same basis. lb. .46 - .60
Standard USP, [1]ne cryst., gran. (20-40 mesh); powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis. lb. .40 - .54
Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.
Adipic, fib. dms., works.....lb. .31 - —
Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[8] tech. (see Arsenic, White).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1,2] USP, 30-kilo lots, dms..kilo.27.00 - —
10-kilo lots, dms.....kilo.27.35 - —
2½-kilo lots, dms.....kilo.27.70 - —
1-kilo lots, dms.....kilo.28.41 - —
500 grams, bots.....kilo.29.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .60
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls., f.o.b. works..lb. .95 - —
Boric,[9] tech., 99.5% cryst., (same as prices for powder), gran., bgs., c.l., frt. alld. ton.99.00 - —
ton lots, ex whse....ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse....ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld....ton.114.00 - —
ton lots, ex whse....ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., works. lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broeners, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —

Acid, camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .67½
Castor oil,[2] split, dms.....lb. .20¾- .21¼
cbys..lb. .08 - —
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
l.c.l. .....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic,[4] 99½-99¾%, dms., c.l., lb. .16½- —
l.c.l. .....lb. .16¾- .18¼
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[1,2] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't..lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
cryst., gran., bbls., c.l.....lb. .20 - —
10,000 lbs., 1 ship't....lb. .20½- —
smaller lots.....lb. .23 - .24
kgs. .....lb. .21½- —
Citric acid powd., ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[2] dist., dms.....lb. .18½ Nom.
Cottonseed oil,[2] dist., dms...lb. .14 - .14½
tanks .....lb. .13½- —
Cresylic,[2,4] (coaltar), high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
(Petroleum), light grade (200°-231°), tanks, f.o.b. Cal. ref., gal. .690 - —
medium grade (220°-240°), tanks, dlvd..gal. .646 - —
20 dms., f.o.b. Cal. ref., gal. .559 - —
f.o.b. Sewaren, N.J..gal. .676 - —
1-19 dms., f.o.b. Cal. ref., gal. .570 - —
f.o.b. Sewaren, N.J..gal. .696 - —
heavy grade (247°-298°), tanks, dlvd..gal. .586 - —
20 dms., f.o.b. Cal. ref., gal. .490 - —
f.o.b. Sewaren, N.J..gal. .616 - —
1-19 dms., f.o.b. Cal. ref., gal. .510 - —
f.o.b. Sewaren, N.J..gal. .636 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls.....lb. .27 - .31
Gallic, NF VII, bbls.....lb. 1.27 - 1.30
5lb. dms.....lb. 1.34 - —
technical, bbls.....lb. 1.05 - 1.12
Gamma, bbls.....lb. .85 - —
Gluconic, bbls., 500 lbs.....lb. .12 - —
kgs., 100 lbs.....lb. .15 - —
dmjn. .....lb. .21 - .23
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.60 - —
Hydrobromic, cosmo, cbys.....lb. .35 - —
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basis acid content..lb. .08½- —
Hypophosphorous, USP, dms., lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24½- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14½- —
5 to 19 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms....lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[2] light, dms.....lb. .21½- .22
Maleic,[2] powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit...lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —

Acid, muriatic, 22°, cbys., c.l., E. works..100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, dealer, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots..... cbys..lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[4] 220-230 acidity, dms., c.l., works..lb. .13 - .14
l.c.l., works.....lb. .13 - .15
tanks, works.....lb. .10 - .13
235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .13 - —
Nicotinic,[2] dms.....kilo. 7.00 - 7.30
Nicotinic, amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, dealers, cbys....lb. .11¾- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[2] white, dist., dms..lb. .13 - .13½
tanks .....lb. .12½- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Phenylacetic, bots.....lb. 1.85 - 3.00
Phosphoric,[4] pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald... 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald, 100 lbs. 4.00 - 4.25
tankwagons, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd., E.gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic,[1] tech., bbls., c.l....lb. .36 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .38 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works...lb. .55 - .57
Soybean oil,[2] dist., dms.....lb. .17¾- .18½
Stearic,[2] double-press, bgs...lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric,[4] 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 up, works..100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works....100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66° cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
96°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06¼- —
2-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .76
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[2] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 48.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile,[4] dms., frt. alld..lb. .32½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, ft. alld.....lb. .39 - —
Adeps lanae,[1,2] USP, anhyd., dms., primary distributors, lb. .34 - .35½
producers .....lb. .33 - —

Adeps lanae, hyd., dms., primary distributors..lb. .32½- .34
producers .....lb. .32 - —
Adeps lanae prices for primary distributors, f.o.b. St. Louis, 1c. higher.
Agar,[2] .....lb. 3.50 - —
San Diego, Cal.....lb. 3.60 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
[2]ee edible,[1] cryst., powd., bbls. lb. 1.97 - —
tech., cryst., bbls.....lb. 1.65 - 1.70
Alcohol, amyl (see also Fusel oil), refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns.....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,2] ferment. Ill., Ind., prod., dms., frt. alld. E..lb. .1930- —
l.c.l., frt. alld. E...lb. .1980- —
tanks, frt. alld. E.....lb. .1830- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E.....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

[*] Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[2] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis .....lb. .081½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber cans, 1,000 lbs..lb. 1.80 - —
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.00 - —
Denatured,[1,2,*] CD14, dms., c.l., dlvd. E..gal. .54½- —
19 dms., works, E...gal. .56½- —
1 to 18 dms., works, E..gal. .59½- —
tanks, E., dlvd.....lb. .50 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .62 - —
19 bbls., E. works..gal. .64 - —
1 to 18 bbls., E. works, gal. .67 - —
tanks, E. works.....gal. .50 - —
Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., wks., E.gal. .60 - —
19 bbls., works, E...gal. .62 - —
1 to 18 bbls., works, E., gal. .65 - —
tanks, E. works.....gal. .48 - —
CD23G (replaced by SD23F).
SD23H, works, c.l., bbls..gal. .61½- —
19 bbls.....gal. .63½- —
1 to 18 bbls.....gal. .66½- —
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, bbls., c.l., E. works, gal. .62½- —
l.c.l., 19 or more, E. works..gal. .66 - —
1 to 18, E. works..gal. .69 - —
tanks, E. works.....gal. .50½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .55½- —
19 dms. to c.l.....gal. .57½- —
1 to 18 dms.....gal. .60½- —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[2] acetone-free, dms., c.l., dlvd..lb. .11½- .14¼
l.c.l., dlvd.....lb. .11¾- .15
tanks, dlvd.....lb. .10½- .13¾
tech., dms., c.l., dlvd.....lb. .11 - .13¾
l.c.l., dlvd.....lb. .11¼- .14
tanks, dlvd.....lb. .10 - .13¾
Ethyl,[2] 190 pf., dms., c.l...gal.11.94¼- —
19 dms...gal.11.96 - —
1 to 18 dms.....gal.12.01 - —
tanks .....gal.11.90 - —
absolute, dms., c.l.....gal.12.62 - —
18 dms., c.l.....gal.12.65¼- —
1 to 17 dms.....gal.12.68½- —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .25 - .35
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, Isobutyl).
Isobutyl,[2] refd., dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[2,*] refd., 91%, dms., 5 gals., dlvd..gal. .66½- —
55 gals, c.l., dlvd....gal. .59 - —
l.c.l., dlvd.....gal. .45½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., dlvd.gal. .65 - —
55 gals., c.l., dlvd...gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, frt. alld.....gal. .37½- —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
Propyl, normal, dms., wks..gal. .67 - .70

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling
[2]—Price agreement (sellers with OPA)
[3]—General Limitation Order (L order)
[4]—General Preference Order (M order)
[5]—Conservation Order (M order)
[6]—Allocation

Alcohol, tetrahydrofurfuryl, dms., c.l., Waverly, N. Y..lb. .40 - —
smaller lots, same basis..lb. .44 - .50
ns., Cedar Rapids, Ia.....lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, dms., works.....lb. .13 - .15
denat., grd., dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 1.35 - 2.00
Algin, bbls., fib., dms.....lb. .79 - 1.50
Alisarin (see Red, alisarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .21 - .21½
Aloe, Cape, cs.....lb. .50 - .53
Curacao, kgs.....lb. .70 - .75
Socotrine, kgs.....lb. .55 - .60
Aloin, bbls., dms., kgs.....lb. 5.45 - 5.54
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½ - .28½
Alphapinene, dms., c.l., wks..gal. .84 - —
l.c.l., works.....gal. .86 - —
tanks, works.....gal. .81 - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. .....lb. .1390- —
tanks .....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, bls.....lb. .60 - .65
Alum, ammonia,[2] burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works...100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
potash, gran., bbls., wks.100 lbs. 4.25 - —
dlvd., N. Y., Phila..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila..100 lbs. 4.50 - —
powd., bbls., works...100 lbs. 4.65 - —
dlvd., N. Y., Phila..100 lbs. 4.65 - —
Potash, chrome, bbls.....lb. .12½ - .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, basic solut., 24%, bbls., dlvd..lb. .10½ - .11
solut., 20%, bbls., dlvd..lb. .09½ - .10
Chloride, anhyd.,[3] com'l, dms., c.l., works..lb. .08 - —
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06¾ - .09¾
solut., 32 deg., cbys., c.l., works..lb. .02¾ - —
l.c.l., works.....lb. .03¼ - —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[4] heavy, bgs., c.l., works..lb. .0310- —
bbls., c.l., works.....lb. .0340- —
l.c.l., works.....lb. .04 - —
light, bgs., dlvd.....lb. .14½ - —
bbls., dlvd.....lb. .15 - —
Hydroxide gel, USP purity, conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17½ - —
contract, works.....lb. .16¾ - —
14-15% Al_2O_3, fib. dms..lb. .20¾ - —
contract, works.....lb. .19¾ - —
Dried, USP XII, fib. dms, works..lb. .78 - —
contract, works.....lb. .75 - —
powd., USP IX, bbls., dms.lb. .15 - .19
Naphthenates, 1.7% Al, 50-gal. dms., works..lb. .18¾ - —
Oleate, dms., contract.....lb. .24½ - —
Palmitate, precip., bbls.....lb. .25 - .26
Resinate, precip., dms.....lb. .15¼ - —
Stearate, precip., bbls., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald., 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald., 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works... 100 lbs. 2.25 - —
l.c.l., works.....100 lbs. 2.50 - —
Aluminum, 98-99%, [5][6] c.l...lb. .15 - —
l.c.l .....lb. .16 - —
paste,[7] lining, extra fine, 200-lb. drm..lb. .56 - .60
grade B, 250-lb. drm....lb. .54 - —
ink, 150-lb. drm.....lb. .71 - —
standard (No. 30), 200-lb. drm..lb. .33 - —
grade B (L-30), 250-lb. drm. lb. .36 - —
powder,[8] lining, extra fine, 150-lb drm..lb. .93 - —
litho, 150-lb. drm.....lb. .57 - —
standard (30XD), 200-lb. drm, lb. .59 - —
grade B (L-30XD), 275-lb. drm..lb. .57 - —
rubber comp., 200-lb. drm..lb. .40 - —
unpolished, stand., 250-lb. drm.; lb. .36 - —
varnish, stand., 200-lb. drm.lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1½c. for 50-lb. drm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, dms.....lb. 4.00 - —
bots. .....lb. 4.25 - —
Ammonia,[9] anhydrous, fertilizer, cys., works, frt. equal..ton.90.00 - —
refrigeration, tanks, works..lb. .05 - —
pure, cyls.....lb. .16 - —
Aqua, 24°, cbys.....lb. .05¾ - —
dms., c.l.....lb. .02¾ - —
l.c.l. .....lb. .02¾ - —
tanks, works (NH_3 content), lb. .04 - —
Benzoate, refined, dms., kgs., 4,000 lbs. up, frt. alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Bicarbonate, dms.....lb. .0539- .0614
Bichromate,[6] bbls.....lb. .23 - .26
Bifluoride, bbls.....lb. .15 - .17
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .31 - .35
dms. .....lb. .32 - .36
Carbonate, lump, dms.....lb. .08¾ - .09¼
cns. .....lb. .14¾ - .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., fib. dms., kgs..lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate,[6] c.p., cryst., kgs..lb. 1.26 - 1.28
fine cryst., bbls., kgs...lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,6] Canadian, fertilizer grade, 32.5 nitrogen, bgs., producing point..ton.47.50 - —
ordnance, bgs., same basis, ton.50.00 - —
Ammonia nitrate, tech., bgs., works...100 lbs. 4.35 - 8.50
bbls., works.....100 lbs. 4.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, purif., gran., bbls., kgs..lb. .27 - .33
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs.....lb. .25½ - .28½
Phosphate, dibasic, NF, V, bbls., kgs..lb. .31 - .39
tech., bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .08 - .08½
monobasic, pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .08 - .08½
Salicylate, NF, dms., kgs...lb. 1.15 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms...lb. .34 - —
paste, dms.....lb. .08½ - —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports...ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½ - —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½ - —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 35%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, dms.....lb. .45 - .97½
tech., bbls.....lb. .17 - —
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works... 100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works, 100 lbs. 4.45 - —
l.c.l., same basis..100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .13 - .18
l.c.l., dlvd.....lb. .12½ - .17½
tanks, dlvd.....lb. .11½ - .14
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .18½ - —
l.c.l., same basis.....lb. .16½ - —
tanks, same basis.....lb. .14½ - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .75 - .90
Caproate, dms.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½ - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½ - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Oleate, dms., works.....lb. .31 - —
Salicylate, bots.....lb. .85 - 1.25
Stearate, dms., works.....lb. .42 - —
Amylene, dms., c.l., works....lb. .10½ - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, com'l, dms., works..lb. .062 - —
NF, bots.....lb. 2.10 - 2.35
cans .....lb. 1.90 - 2.25
Angelica root, dcm., bls.....lb. .55 - .60
import, natural, bls.....lb. 3.25 Nom.
Angostura bark, bls.....lb. .20 - .21
Anilin oil,[6] dms., c.l., works, frt. alld..lb. .11½ - —
l.c.l., works, frt. alld....lb. .12½ - —
tanks, works, frt. alld....lb. .10½ - —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .36 - .37
Mexican, recleaned, bgs.....lb. .25 - .26
Spanish, bgs.....lb. No stocks
Syrian, bgs.....lb. .29 - .29½
Turkish, bgs.....lb. .28 - .29
Anisic aldehyde, bots.....lb. 2.80 - 3.00
Annatto,[6] paste, bxs.....lb. .34 - .39
Seed, bgs.....lb. .08 - —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½ - .17½
Needle,[1] Bolivian, brown, 67%, cs..lb. .18½ - —
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[1,6] bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .15½ - —
Salt,[1] 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide,[1] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½ - —
Antipyrine, bbls., kgs, ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Apple syrup,[1] bbls.....lb. .16 - .16½
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .25 - .26
Arecolin hydrobromide, bots...oz.11.25 -11.50
Argols, min. 70%, bgs., Argentine port, 100 kilos, 100% purity..60.00 - —
Spanish port, 100 kilos, 100% purity..52.00 - —
Arnica flowers, bls.....lb. 3.25 Nom.
Root, bls.....lb. 1.00 - 1.25
Arrowroot, powd., bgs., bbls..lb. .10 - .10½
Arsenic,[6] metal, lump, c.l.....lb. No prices
Chloride (arsenous), bots....lb. 1.55 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Sulphide, yellow, bbls.....lb. .52 - .55
bots. .....lb. .60 - .64
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾ - —
Asafetida, cs.....lb. .05 - .06
powd., bbls., dms.....lb. .55 - .62
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canad. mines, ton.49.50 - —
5R, bgs., same basis.....ton.44.60 - —
6D, bgs., same basis.....ton.39.60 - —
7D, bgs., same basis.....ton.28.50 - —
7F, bgs., same basis.....ton.26.50 - —
7H, bgs., same basis.....ton.22.50 - —
7K, bgs., same basis.....ton.19.00 - —
7M, bgs., same basis.....ton.16.50 - —
7R, bgs., same basis.....ton.15.50 - —
Asphaltum, Manjak No. 16, crude, dms., works..lb. .05½ - .12
process form, bgs., wks.lb. .05¾ - .13
jet, bgs., 2,000 lbs., gross weight Colo mines..ton.30.50 - —
Barbados, Dunellen, N. J....lb. .10½ - —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuban A, bulk, c.l., N. Y....ton.90.00 - —
l.c.l., same basis.....ton.90.00 - —
B, bulk, c.l., N. Y.....ton.38.50 - —
l.c.l., same basis.....ton.55.00 - —
Egyptian, substitute, bgs., l.c.l., refinery, N. J. or Ill..lb. .08 - —
Gilsonite, brilliant black, selects, 340 F. fusing point, bgs., mines..ton.32.90 - —
seconds, 370-390 F. fusing point, not uniform, same basis..ton.25.50 - —
selects, 290-295 F. fusing point, same basis..ton.30.50 - —
270 F. fusing point, same basis..ton.30.50 - —
seconds, 300-330 F. fusing point, not uniform, same basis..ton.25.50 - —
jet, bgs., 2,000 lbs. gross weight, Colo. mines..ton.30.50 - —
Asphaltum, Mexican, refd., dms., Texas refinery..ton.21.00 - —
l.c.l., refinery.....ton.21.00 -23.00
tanks, refinery.....ton.16.00 - —
Atropine, bots.....oz.15.00 - —
Sulphate, bots.....oz. 8.10 - —

B

Balm of Gilead buds, bgs.....lb. 1.10 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.50 - 3.60
sodium, dms.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works... ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
sulphur-free, paper bgs., works, ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate,[6] kgs.....lb. .36 - —
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., zone 1, bgs., c.l., dlvd..ton.77.00 - —
l.c.l., dlvd.....ton.90.00 - —
Zone 2, bgs., c.l., dlvd.ton.81.00 - —
l.c.l., dlvd.....ton.94.00 - —
Zone 3, bgs., c.l., dlvd.. ton.87.00 - —
l.c.l., dlvd.....ton.100.00 - —
Zone 4, bgs., c.l., dlvd.. ton.100.00 - —
l.c.l., dlvd.....ton.113.00 - —

Barium chloride, tech., in bbls., $2 per ton higher. Sales zones are:—1, Ill., Ind., Ky., Mich., Md., Ohio, New England States, N. J., N. Y., Pa., Va., Wis., and principal cities of W. bank Miss. R., N. of Miss., No. of Ark. line, 2, Ala., Fla., Ga., Miss., N. C., S. C., Tenn.; 3, Ariz., Colo., Idaho, Ia., Minn., Mo., N. Mex., Utah; 4, Calif., Nev., Ore., Wash.

Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, cks.....lb. .11 - .12
Oxide, dms., c.l., works.....lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½ - .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis, ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, bulk, mines.....ton. 8.00 - —
Bauxite,[6] bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bayberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.00 - 1.05
Root, bls.....lb. .90 - 1.00
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works.....ton.16.00 - —
Benzaldehyde, N.F., dms.....lb. .85 - .88
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.35
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .22 - .24
Peroxide, pure, gran., fib. ctns, works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., dms.lb. 1.00 - 1.10
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 3.00 - 3.50
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 2.35 - 3.00
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....oz. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .18 - .20
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .22 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 95%, ret. dms., works..lb. 2.06 - 2.25
Beth root, bls.....lb. .42 - .45
Bismuth[6] chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.76 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.46
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms, lb. 1.50 - 1.53
bots., cns.....lb. 1.59 - 1.63
X-ray, 8-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Subiodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., lb. 1.20 - 1.33
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, 62-66%, bbls., fib. dms..lb. 2.50 - —
bots., cns.....lb. 2.51 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.76
fib. dms.....lb. 3.65 - —
Trioxide, powd., bots.....lb. 3.71 - 3.76
cns. .....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Black, acetylene,[2] bgs., c.l., works..lb. .14 - —
Bone, 1A, bgs., bbls., c.l., frt. alld. East..lb. .17 - —
2, bgs., bbls., c.l., same basis, lb. .19 - —
Black, bone, 3, bgs., bbls., c.l., same basis..lb. .11 - —
4, bgs., bbls., c.l., same basis, lb. .08½ - —
400A, bgs., bbls., c.l., same basis..lb. .08½ - —
457, bgs., bbls., c.l., same basis..lb. .11½ - —

Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast prices are 1½c. higher, ex dock or whse.

Carbon,[6] heads, comp., bgs., c.l., works..lb. .08550- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .07½ - —
regular uncompressed, bgs., c.l., works..lb. .03625- —
bgs., ctns., l.c.l., dlvd., or whse..lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½ - —
Lamp, 1, ctns., works.....lb. .08¼ - —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½ - —
3, ctns., c.l., works.....lb. .14½ - —
l.c.l., works.....lb. .15¼ - —
4, ctns., c.l., works.....lb. .16½ - —
l.c.l., works.....lb. .17½ - —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½ - —
l.c.l., works.....lb. .27½ - —
7, ctns., c.l., works.....lb. .37½ - —
l.c.l., works.....lb. .38½ - —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾ - —
Vine, A, bbls.....lb. .04½ - .05
B, bbls.....lb. .05¾ - —
kegs .....lb. .06 - —
Black dyes listed under Dyes.
Black haw root bark, bls.....lb. .70 - .75
Tree bark, bls.....lb. .28 - .30
Black Indian hemp root, bls..lb. .30 - .35
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.50 - —
direct process, bgs., c.l., works, ton.70.00 - —
l.c.l., works.....ton.75.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66⅔%, bbls., c.l., wks.... ton.40.00 - —
l.c.l., same basis.....ton.46.50 - —
Bleaching powder,[2,6] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 2.75 - 3.00
Blood,[1] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½ - —
smaller lots, Chicago.....lb. .15 - .20
Bloodroot, ols.....lb. No stocks
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. River including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. 1.75 - —
toner, bbls., same basis..lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Cobalt,[6] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis, lb. 3.50 - 3.75
80%, bbls., same basis..lb. 3.30 - —
green shade, bbls., same basis..lb. 4.50 - 4.70
Iron, Chinese, bbls., same basis, lb. .36 - —
Milori, bbls., same basis..lb. .36 - —
Prussian, bbls., same basis, lb. .34 - —
Soluble, bbls., same basis, lb. .36 - —
Molybdated, Victoria, same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .53 - —
permanent, toner, green shade, tungstic..lb. 4.00 - —
molybdic .....lb. 3.50 - —
Potash, C.P., bbls., same basis, lb. .42 - —
Soda, C.P., bronze, bbls., same basis..lb. .34 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis.lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner,[1] tungstic, bbls, lb. 3.30 - —
molybdic, bbls.....lb. 3.15 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis..lb. 1.98 - —
Violet toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis, lb. 2.10 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex., (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.5c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.
Bleflag root, bls.....lb. .35 - .40
Blue mass, NF, cns., bbls.....lb. 1.59 - 1.76
powd., bots., cns., dms....lb. 1.62 - 1.76
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, bulk, Chicago....ton.37.50 -65.00
junk, bulk, same basis....ton.31.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works...ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.47.00 - —
Chicago, works.....ton.51.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. wks.ton.38.50 - —
Chicago, works.....ton.37.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see under D).
Boneset leaves, bls.....lb. .15 - .17
Borage flowers, bls.....lb. .45 - .60
Borax,[6] tech., 99½%, gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., frt. alld....ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —

USP, $15 per ton higher.

Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½ - —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernin).
Brimstone (see Sulphur).

We are now able to supply:

ALUMINUM HYDRATE RESIDUE

Large tonnage equivalent to some one hundred tons Aluminum Oxide.

AMMONIUM NITRATE

White flake 98-99% in barrels—carload shipments available Feb./Mar.

ANILINE SALT

Available from warehouse stock—while it lasts.

BENZALDEHYDE N. F.

Packed in carboys of about 110 pounds net each—spot deliveries.

CALCIUM ARSENATE

Accumulation equal to approximately 250 tons of 100% purity.

CHLOROFORM

We have both the technical and U. S. P. grades.

CREAM TARTAR

We have a limited stock of U. S. P. granular.

CRESYLIC ACID

We serve the Defense Supply Corporation as distributors for the British. We also supply the domestic petroleum cresylic under direction of the War Production Board.

ETHYL ETHER U. S. P.

Available for prompt shipment in drums.

HEXYL RESORCINOL

We will be pleased to receive your inquiries—prompt shipments now available.

LACTIC ACID

We have the 50% edible in limited quantities.

PHOSPHORIC ACID

We have 75% food grade in carboys of about 165 pounds net each in stock—available for prompt shipment.

POLYAMINO SALT

A most interesting replacement for monosodium glutamate. Samples and quotations on request.

PROPIONIC ACID

We have a material testing about 98%—available for prompt shipment.

SODIUM BICARBONATE

We have a considerable tonnage of both the U. S. P. and the technical at bargain prices.

TARTARIC ACID U. S. P.

Granular or powder—spot, afloat or for shipment.

We pay premium prices for Berberine; sulphate, acid sulphate or hydrochloride.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkgs., same basis..lb. .30 - .35
Bromoform, USP.....bots. 1.50 - —
Bromstyrol .....lb. 4.30 - 5.00
Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .15 - .15
Brown,[2] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis, lb. .0235- —
Italian type, bbls., works, lb. .05¾- .16¾
raw, American, bbls., works, lb. .04 - .10
Italian type, bbls., wks., lb. .08 - .10
Umber, Amer., bbls., works.lb. .03¾- —
Italian type, bbls., works, lb. .04¾- —
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
Turkey type, f.o.b. St. Louis, Chicago, Indianapolis, New Orleans, lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles....lb. .05¾- —

Brown, umber, Turkey - type, f.o.b., Portland, San Francisco, Seattle..lb. .05½- —
Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles..lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., same basis..lb. .12 - —
Brucine, 100 oz. cns.....oz. .35 - —
sulphate, 100 oz. cns.....oz. .30 - —
Byronia root, bls.....lb. .65 - .75
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .78 - .80
Berries, bgs.....lb. .70 - .75
Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3, gal. .03½- —
Butternut bark, bls.....lb. .15 - .17
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R..lb. .1860- —
l.c.l., frt. same basis, lb. .1910- —
tanks, same basis.....lb. .1760- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis. .....lb. .10¾- —
Normal butyl acetate, W. of Miss. R., ¼c. per lb. higher.
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis..... ...lb. .10 - —
tanks, same basis.....lb. .08½- —
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —

Butyl carbinol, secondary, l.c.l., dms., works..lb. .09 - —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms.....lb. .20½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref'd, dms., works..lb. .35 - —
tech., dms., works.....lb. .29 - —
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate)
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] jars.....lb. 1.65 - 1.70
bots. .....lb. 1.84 - 1.91
Iodide,[6] bots.....lb. 4.23 - —
cans .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,4] pat. shapes, cs., dlvd. lb. .95 - —
Ingots or sticks.....lb. .90 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[1] dms., makers, primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
Anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.08
25 to 100 lbs.....lb. 3.15 - 3.30
smaller lots.....lb. 3.35 - 3.45
Citrated, dms., makers, primary distrib., 100 lbs. or more..lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37

Calabar beans, bgs.....lb. .35 - .40
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd.....100 lbs. 3.00 - 4.00
Arsenate,[6] bgs., c.l., whse., works, frt. alld..lb. .07 - .08
l.c.l., same basis.....lb. .07½- .08¼
Bromide, jars.....lb. .65 - .70
Carbide,[1,6] dms., works.....ton.80.00 - —
dms., dlvd., c.l.....ton.87.00 -95.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., 15 tons, dlvd...ton.21.50 -25.50
5-ton lots.....ton.26.50 -41.00
liquor, basis 40%, tanks, wks. ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .29
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -31.50
l.c.l., 15 tons, dlvd...ton.21.45 -25.45
5-ton lots.....ton.26.45 -40.96
Calcium chloride prices vary according to zone; min. prices, spot, C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms. .....lb. .57 - .58
cns. .....lb. .70 - —
Powd., 2c. per lb. lower.
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.28 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.05 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.10
Lactate, USP, bbls.....lb. .35 - .37
Mandelate, dense, dm.....lb. 2.05 - 2.30
fluffy, dms.....lb. 2.05 - 2.30
Naphthenate, 4% Ca., 50-gal. dms..lb. .22½- —
Palmitate, bbls.....lb. .28 - .29
Pantothenate, dex., 100-gram bots..per gram. .25 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, 10 bbls., or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works .....lb. .10 - —
medicinal, bbls.....lb. .11¼- .12
dms. .....lb. .12¼- .18
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06¼
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15¼- —
Silicate, hydrated, 50-lb. paper bgs., c.l., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - —
Tallate, 3%-4% Ca, 50-gal. dms..lb. .13¼- .19¼
Calcium-strontium-sulphide, phosphorent, dms., works, frt. alld..lb. 1.80 - 1.75
Calendula flowers, bls.....lb. 2.25 - 2.30
Calomel,[2] bbls., dms.....lb. 2.75 - 2.76
bots. .....lb. 2.88 - 2.92
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works, lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44¼- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .53
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, dms.....lb. 2.10 - 2.25
Canada balsam (see Fir balsam).
Canary seed,[1] Argentine, bgs..lb. .16 - .16½
Canella alba bark, bls.....lb. .29 - .30
Cantharides, Chinese, cs.....lb. No stocks
powd., bxs.....lb. No stocks
Russian, cs.....lb. No stocks
powd., bxs.....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] Dutch, bgs....lb. 1.10 - 1.15
Morocco, dewhiskered, bgs...lb. .70 - .72
Spanish, dewhiskered, bgs...lb. .62 - .63
Syrian, dewhiskered, bgs...lb. .56 - .57
natural, bgs.....lb. .46 - .47
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
90%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., wrks....lb. .225 - —
l.c.l., works.....lb. .235 - —
tanks, works.....lb. .215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N.of Ohio R..lb. .06 - —
l.c.l., same basis.....lb. .06¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] Zone 1, 53½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l .....gal. .90 - —
Zone 5, 52½-gal. dms., 5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom,[1] bleached, cs.....lb. 1.65 Nom.
decorticated, cs..... .....lb. 1.50 Nom.
green, Aleppey, bgs.....lb. 1.08 Nom.
Ceylon, cs.....lb. 1.00 - 1.05

Westward the Course

Westward from the Hudson and up through the fertile, rolling valleys of York State, came the Dutch and other traders in their great lumbering Conestoga wagons. They brought with them the necessities and luxuries sought by the settlers and the pioneers who were ever pushing the frontier westward. Even then, Niagara was a thriving center of activity, a link between the busy East and the growing West, a young and energetic locality ready for new trade, agricultural and industrial development.

As a pioneer chemical manufacturer in the Niagara area and the first to produce several important chemicals in America, Niagara Alkali Company is applying the full force of its pioneering experience and energy to supplying increasing quantities of essential products for which there is a growing demand to fill vital wartime needs. Thus is Niagara Alkali carrying on the pioneering traditions of its background.

CAUSTIC POTASH · CAUSTIC SODA · PARADICHLOROBENZENE
CARBONATE OF POTASH · LIQUID CHLORINE

An Essential Part Of America's Great Chemical Enterprise

ARMY E NAVY

Niagara ALKALI COMPANY

60 EAST 42nd STREET, NEW YORK 17, N. Y.

Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
Carvol, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk....lb. .31 - .32
Case hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1,6] domestic, acid-precip., bgs., 100 bgs. or more, shtp't point..lb. .24 - —
20 to 99 bgs., same basis..lb. .24¼- —
less than 20 bgs., same basis..lb. .24¾- —
rennet-precip., bgs., 100 bgs. or more, same basis..lb. .25½- —
20 to 99 bgs., same basis.lb. .25¾- —
less than 20 bgs., same basis, lb. .26¼- —
imported, bgs., 100 lbs. or more, f.o.b. source..lb. .10½- .11
Cassia,[1] Bavaria, No. 1, thin quill, bls..lb. .60 Nom.
regular, bls.....lb. .58 Nom.
shortstick .....lb. .53 Nom.
broken .....lb. .51 Nom.
China, bls.....lb. .60 Nom.
rolls, select, bls.....lb. .53 Nom.
broken, bls.....lb. .52 Nom.
Saigon, all medium, bls.....lb. .61 Nom.
all thin, bls.....lb. .62 Nom.
Cassia fistula, bakts.....lb. .23 - .24
Castor beans, f.o.b. Brazilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works... unit-ton. 2.90 - —
Castoreum, nat., cnz.....lb.12.50 -13.00
synth., bots.....lb.19.00 - —
Catechol, CP, cryst., works, fib. dms., tins..lb. 2.25 - 2.40
resublimed, frt alld, E. of Miss., dms..lb. 3.50 - —
Catnip, bls.....lb. .30 - .35
Celery seed,[1] Indian, bgs.....lb. .23 - .23½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis.lb. .35 - —
Triacetate,[4,6] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs, works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —
Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works. ton.30.00 - —
Chamomile, Hungary type, cs...lb. .55 - .60
Roman, bls.....lb. 3.25 Nom.
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton.30.20 - —
l.c.l., same basis.....ton.41 00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works..lb. .0285- .0370
tanks, works.....lb. .0225- .0310
powdered, 65% tannin.....lb. .065 - .0715
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks. ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silkboit, 99.9%, 325 mesh, bulk, c.l., works. ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse.. ton.41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms.....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[6,9] liquid, cyls., c.l.lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..... 100 lbs. 2.00 - —
2, works, frt. equald.100 lbs. 2.50 - —
1, works, frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .22
USP, dms.....lb. .30 - .33
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .30 - —
100-lb. cyls., frt. alld.....lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 9%, bbls., cs.....lb. .07¼- —
7½%, bbls., cs.....lb. .08¼- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bct.....lb. 6.03 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
broken, bgs.....lb. .19 Nom.
yellow, quill, bgs.....lb. .19 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. .80 + .13½[6]
sulphate, NF, cns., 100 ozs..oz. .80 + .13½[6]

[6] Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

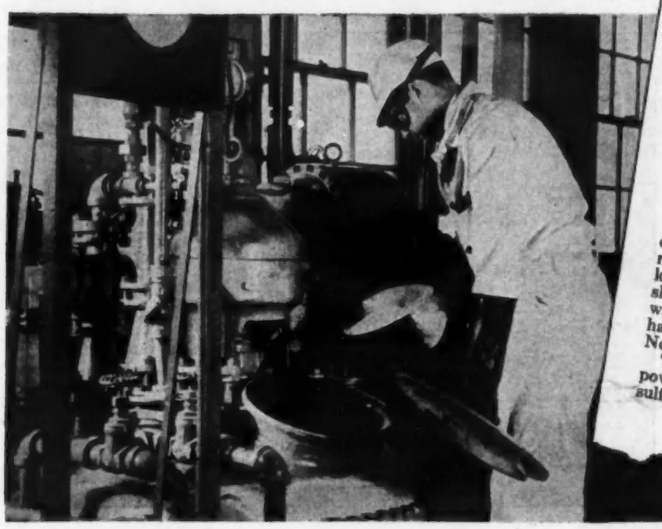
Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½[6]
large cryst., cns., 100 ozs.oz. .60 + .13½[6]
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½[6]

[6] Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of natural business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, bots.....lb. 3.70 - 3.80
dms.....lb. 3.50 - 3.60
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.00 - 3.90
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment,[2] jars.....lb. .96 - 1.18
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Cloves,[1] Zanzibar.....lb. .18 - .18½
Clover tops, red, bgs.....lb. .45 - .50
Coaltar, coal-gas, crude, bbls., l.c.l., works..bbl. 8.75 - —
c.l., works.....bbl. 8.25 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
ref., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .83¾- —
feed grade, 49.5% Co., kgs.lb. 1.25 - —
Carbonate,[2] powd., bgs., works, lb. 1.58 - —
feed grade, 23% Co., kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., kgs., lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., kgs..lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] blacks, kgz.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs., lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs..lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39
Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .28 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .20
blue, bls.....lb. .18 - .20
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns.....lb. .23 - .29½
flexible, USP, dms.....lb. .21 - .22
cns.....lb. .25 - .31
Colocynth pulp, bls.....lb. .75 - .80
Colombo root, bls.....lb. .11½- .12
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .12 - .15
Conium leaves, bls.....lb. 1.18 - 1.20
Copaiba balsam, Peru, cns...lb. .47 - .49
S. A., USP, cns.....lb. .50 - .52
Copper acetate,[6] cupric, bbls., dlvd..lb. .24 - —
smaller containers, dlvd.lb. .26 - .50
Carbonate,[6] 52-54%, bbls....lb. .19½- .20
Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,6,8] electrolytic.....lb. .12 - .12½
Naphthenates, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate, tech., cryst., bbls...lb. .16¾- .20
Oleate, precip., bbls.....lb. .22½- .20¾
Oxide,[6] black, bbls., works..lb. .19 - .22
red, com'l, kgs.....lb. .20 - .22
Oxychloride-sulphate, bgs....lb. .17 - .20
Resinates, precip., 8.3% Cu, 125-lb. dms..lb. .15½- —
Copper sulphate,[1,6] 99%, cryst., bbls., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs. 100 lbs. 5.15 - —
2,700 to 7,200 lbs... 100 lbs. 5.25 - —
700 to 2,700 lbs....100 lbs. 5.50 - —
monohydrated, dealers, dms., c.l., works..100 lbs. 8.95 -10.05
bags in drums.....100 lbs. 9.95 -10.95
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25, wks.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship't.....lb. No prices
Coriander seed,[1] Indian, bgs..lb. No stocks
Morocco, bgs.....lb. No stocks
Cornsilk, bls.....lb. .22 - .23
Corn sugar, tanners',[2] chipped, bgs., c.l., dlvd..100 lbs. 3.606 - —
slabs, bbls., c.l....100 lbs. 3.525 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.681 - —
43°, bbls., c.l.....100 lbs. 3.731 - —
Corrosive sublimate,[2] cryst., dms., 50 lbs. or more..lb. 2.24 - —
gran., powd., dms., 50 lbs. or more..lb. 2.09 - —
Cottonroot bark, bls.....lb. .18 - .19
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.00 - —
Meal, 41%, mills.....ton.45.00 - —
Coumarin,[1] cns., makers, primary dist.lb., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .60 - .65
Cranesbill root, bls.....lb. .18 Nom.
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .37¼- —
smaller lots, bbls.....lb. .38 - —
kgs. .....lb. .38¼- —

Pharmaceutical Manufacturers:

Newspapers Daily Emphasize Sulfadiazine's Fast-Growing Popularity. Let CALCO Help You Supply This Mounting Demand.



Magic of Sulfa Stems Terrors Of Meningitis

Cases Up 1,100% in City in 2 Years, but Mortality May Be Less Than 5%

Through the magic of sulfa drugs deaths and permanent disability from meningococcic meningitis, popularly known as spinal meningitis, can be slashed to an incredibly low level, it was learned yesterday when cases have risen approximately 1,100% in New York City in two years.

The latest story of the curative powers of sulfa drugs, particularly sulfadiazine...

In CALCO'S large-capacity plants, manufacture of SULFADIAZINE is under rigid quality controls from the first step (see illustration) through every process of quantity production.

Just as the recommendation by the Surgeon General's Office of Sulfadiazine for pneumococcal, streptococcal, meningococcal meningitis and other infections fostered its widespread use among the armed forces, so now its universal endorsement by leading medical and health authorities is opening up big, new demands for this famous sulfa drug through normal pharmaceutical outlets.

Happily, CALCO'S mounting production capacity now permits the offering of Sulfadiazine to ethical pharmaceutical manufacturers generally in quantities to meet the needs of this rapidly-expanding civilian market.

Do you, too, see the opportunity for increasing sales and profits in the marketing of Sulfadiazine? If so, we suggest you talk over your requirements with CALCO right away.

Ask About These Other Available CALCO Products:

Sulfapyridine U.S.P. (and Sodium Monohydrate)
Nicotinamide U.S.P.
Nikethamide
Sulfanilamide U.S.P.
Cinchophen N.F.
Neocinchophen U.S.P.
Sulfathiazole U.S.P. (and Sodium Monohydrate)
Mandelic Acid U.S.P.
Methylene Blue U.S.P. (Powder—Crystals)
Calcium Mandelate U.S.P.
Glutamic Acid HCL
Calcium and Sodium Pantothenate
2-Methyl-1, 4 Naphthoquinone
Phenothiazine (For Veterinary Use)
Certified Colors for Pharmaceutical and Cosmetic Use

Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK — Calco — NEW JERSEY

ARMY E NAVY

Creosote carbonate, bots., cbys.	lb.	2.10	- 2.20
Coaltar, oil,[2] crude, tanks, works	gal.	.15½	- —
refd., bbls., l.c.l., works	gal.	.26	- —
tanks, works	gal.	.18	- .18½
solution, tanks, works	gal.	.141	- —
Wood, beech, bots	lb.	1.04	- —
cbys., dms.	lb.	.85	- —
Hardwood, USP, bots	lb.	.60	- .77
Pine, dms	gal.	.28	- —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald.	lb.	.09½	- .10¼
l.c.l., same basis	lb.	.10	- .11
tanks, same basis	lb.	.08¾	- .09¾
USP, dms., c.l., works, freight equald.	lb.	.10¾	- .11¼
l.c.l., same basis	lb.	.11¼	- .11¾
tanks, same basis	lb.	.10	- .10¼
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works	lb.	.15	- —
5 and 10-gal. dms., works	lb.	.18	- —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs.	9.50	- —	
smaller lots	100 lbs.	10.00	- —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R.	lb.	.08½	- —
smaller lots, works	lb.	.09¼	- —
Cube root,[2,6] powd., 5% rotenone, bbls.	lb.	.35	- —
4% rotenone prices are 4c. per lb. less.			
Cubeb berries, XX, bgs.	lb.	No stocks	
powd., cs.	lb.	No stocks	
Culver's root, bls.	lb.	.27	- .28
Cumin seed, Cyprus, bgs.	lb.	No stocks	
Indian, bgs.	lb.	No stocks	
Morocco, bgs.	lb.	No stocks	
Persian, bgs.	lb.	.18	- .18½
Cyanamide,[2,6] fertilizer mixing grade, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont. contracts	unit-ton.	1.52½	- —
20.6% N., gran., bulk, same basis	unit-ton.	1.62½	- —
Cyclohexane, 98-100%, wks.	lb.	.14	- .16
tech., dms., c.l., frt. alld. E.	lb.	.10½	- —
l.c.l., frt. alld. E.	lb.	.11	- —
tanks, frt. alld. E.	lb.	.09½	- —
Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.			
Cyclohexanol, 98-100%, wks.	lb.	.21	- .23
Cyclohexanone, 98-100%, wks.	lb.	.80	- .82
tech., dms., c.l., frt. alld. E., lb.		.30	- —
l.c.l., frt. alld. E.	lb.	.30½	- —
tanks, frt. alld. E.	lb.	.29	- —
Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.			
Cyclopropane, USP, cyls., divd., gal.		.27	-

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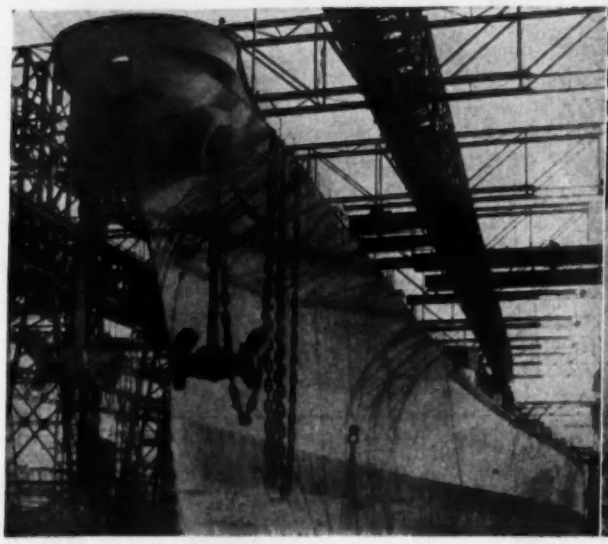
Damiana leaves, bls.	lb.	.14	- .16
Dandelion root, bls.	lb.	.26	- .33
Decanol,[2] normal, tech., dms., divd.	lb.	.35	- —
Deertongue, bls.	lb.	.21	Nom.
Defluorinated phosphate,[1] paper bgs., works	ton.	24.25	- —
Degras,[1,6] common, bbls.	lb.	.10	- .12
neutral, bbls.	lb.	.27½	- .29
Derris root,[2,6] powd., 5% rotenone, bbls.	lb.	.35	- —
4% rotenone prices are 4c. per lb. less.			
Dextrin, British gum, bgs., c.l., 100 lbs.	4.61	- —	
Chicago	100 lbs.	4.25	- —
l.c.l.	100 lbs.	4.71	- —
Chicago	100 lbs.	4.35	- —
Corn, canary, bgs., c.l.	100 lbs.	4.36	- —
Chicago	100 lbs.	4.00	- —
l.c.l.	100 lbs.	4.46	- —
Chicago	100 lbs.	4.20	- —
white, bgs., c.l.	100 lbs.	4.31	- —
Chicago	100 lbs.	3.93	- —
l.c.l.	100 lbs.	4.41	- —
Chicago	100 lbs.	4.05	- —
Potato, bgs., c.l.	lb.	.10	- —
l.c.l.	lb.	.10¼	- .11¼
Diacetone (see Alcohol, diacetone).			
Diacetyl, bots.	lb.	6.00	- 7.00
Diamyl ether (see Amyl ether).			
Phthalate,[6] dms., c.l., divd.	lb.	.2170	- .2300
l.c.l., divd.	lb.	.2220	- .2250
tanks, divd.	lb.	.2070	- .2100
Sulphide, l.c.l., dms., works	lb.	.25	- —
Diamylamine, dms., c.l., wks.	lb.	.61	- —
l.c.l., works	lb.	.64	- —
Diamylphenol, 2:4, dms., c.l., works	lb.	.18	- —
l.c.l.	lb.	.21	- —
Diatomaceous earth, dom., chemically pure, bgs., c.l., Atlantic Coast	lb.	.07	- —
l.c.l., ex whse.	lb.	.10	- .16
nat., bgs., c.l., Pacific Coast	ton.	22.00	-25.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., Atlantic Coast	ton.	55.00	-59.00
l.c.l., ex whse.	ton.	85.00	-90.00
imported, Algerian, bgs., c.l.,	ton.	No prices	
Mexican, white, bgs., c.l., c.i.f.	lb.	.02	- .03
l.c.l.	lb.	.04	- .06
Dibutyl phthalate,[6] 5-gal. cns., works	lb.	.2550	- —
1-gal. cns., same basis	lb.	.2750	- —
dms., returnable, c.l., same basis	lb.	.2100	- .2250
l.c.l., same basis	lb.	.2150	- .2300
tanks, same basis	lb.	.2000	- .2150
Sebacate, dms., works	lb.	.497	- .517
Tartrate, dms.	lb.	.92	- 1.02
Dibutylamine, dms., c.l., works,	lb.	.61	- —
Dichloroethyl ether,[6] dms., c.l., works	lb.	.15	- —
l.c.l.	lb.	.16	- —
tanks	lb.	.14	- —
Diethyl carbonate, com'l, dms.	lb.	.25	- —
refd., 99%, dms.	lb.	.30	- —
Oxalate, dms., c.l., divd.	lb.	.3020	- —
l.c.l., divd.	lb.	.3070	- —
Diethyl phthalate,[6] dms., c.l., divd.	lb.	.2025	- .2120
l.c.l.	lb.	.2075	- .2170
tanks	lb.	.1925	- .2050
Sulphate, dms., c.l., works	lb.	.15	- —
l.c.l., works	lb.	.14	- —
tanks	lb.	.12	- —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R.	lb.	.75	- —
Diethylaniline, dms.	lb.	.40	- —
Diethyleneglycol,[6] dms., c.l., works	lb.	.14	- —
l.c.l., works	lb.	.15½	- —
Monobutylether, dms., works	lb.	.22½	- .24⅓
Monoethylether,[6] dms., c.l., works	lb.	.14½	- —
l.c.l., works	lb.	.15½	- —
tanks, works	lb.	.13½	- —
Digitalis leaves, dms.	lb.	.60	- .65
Diglycol laurate, dms.	lb.	.31	- .32
Oleate, light, bbls., c.l.	lb.	.17	- —
Stearate, bbls., c.l.	lb.	.22	- —
Di-isobutyl ketone, dms., works,	lb.	.19	- —
Dilleseed, cleaned, bgs.	lb.	No stocks	
dewhiskered, bgs.	lb.	No stocks	
Dimethyl phthalate,[6] dms., c.l., divd.	lb.	.1875	- —
l.c.l., divd.	lb.	.1925	- —
tanks, divd.	lb.	.1775	- —
Dimethylamine, dms., c.l.	lb.	.85	- —
l.c.l., divd.	lb.	.90	- —
Dimethylaniline, dms., c.l.	lb.	.23	- —
l.c.l., dms.	lb.	.24	- —
Dinitrobenzene, bbls., 80° min.	lb.	.18	- —
Dinitrochlorobenzene, dms.	lb.	.14	- —
Dinitronaphthalene, kgs.	lb.	.35	- .38
Dinitrophenol, bbls.	lb.	.22	- —
Dinitrotoluene, dms.	lb.	.18	- —
oily, dms.	lb.	.05	- —
Diorthotoluolguanidin,[6] dms., tons, divd.	lb.	.44	- —
smaller lots	lb.	.46	- .47
Dioxan, dms., c.l., frt. alld.	lb.	.20	- —
l.c.l., same basis	lb.	.21	- —
tanks, same basis	lb.	.19	- —
Dip oil (see Tar acid oil).			
Dipentene, dms., works	gal.	.56	- .58
tanks	gal.	.52	- —
dest., dist., dms.	gal.	.55	- .58
tanks	gal.	.45	- —
Diphenyl, bbls., c.l., works	lb.	.15	- —
l.c.l., works	lb.	.16	- .20
Oxide, perfume grade, cns.	lb.	.48	- .50
dms.	lb.	.43	- .45
Diphenylamine,[6] bbls.	lb.	.25	- —
Diphenylguanidin,[6] dms., tons, lb.		.35	- —
smaller lots	lb.	.36	- .37
Dimethylethyl carbinol (see Carbinol).			
Divi-divi,[6] bgs., ex dock	ton.	63.00	-70.00
Doggrass root, imp., cut, NF, bls.	lb.	.50	- .55
dom., bls.	lb.	.36	- .45
Dogwood bark, Jamaica, bls.	lb.	.15	- .20
Dover's powder, USP, cns.	lb.	2.75	Nom.
Dragon's blood, reeds, cs.	lb.	.85	- .90
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Blue, FD&C blue, No. 1, cns.	lb.	13.50	- —
FD&C blue, No. 2, cns.	lb.	13.50	- —
Green, FD&C green, No. 1, cns.	lb.	13.50	- —
FD&C green, No. 2, cns.	lb.	17.50	- —
FD&C green, No. 3, cns.	lb.	27.50	- —
Orange, FD&C orange, No. 1, cns.	lb.	2.90	- —
FD&C orange, No. 2, cns., food, drugs and cosmetics:—	lb.	3.85	- —
Red, FD&C red, No. 1, cns.	lb.	6.00	- —
FD&C red, No. 2, cns.	lb.	3.15	- —
FD&C red, No. 3, cns.	lb.	17.50	- —
FD&C red, No. 4, cns.	lb.	5.75	- —
FD&C red, No. 2, cns.	lb.	4.15	- —
Yellow, FD&C yellow, No. 1, cns.	lb.	8.50	- —
FD&C yellow, No. 3, cns.	lb.	2.65	- —
FD&C yellow, No. 4, cns.	lb.	2.65	- —
FD&C yellow, No. 5, cns.	lb.	3.15	- —
FD&C yellow, No. 6, cns.	lb.	3.15	- —
Dyes, coaltar (certified colors) for drugs and cosmetics:—			
Black, D&C black, No. 1	lb.	8.35	- —
Blue, D&C blue, No. 6	lb.	13.50	- —
Brown, D&C brown, No. 1, cns.	lb.	12.35	- —
Green, D&C green, No. 5, cns.	lb.	2.35	- —
D&C green, No. 6, cns.	lb.	12.35	- —
Orange, D&C orange, No. 5, cns.	lb.	8.35	- —
D&C orange, No. 4, cns.	lb.	15.35	- —
D&C orange, No. 10, cns.	lb.	15.35	- —
D&C orange, No. 11, cns.	lb.	17.35	- —
Dyes, coaltar (certified colors) for drugs and cosmetics:—			
Red, D&C red, No. 5	lb.	6.00	- —
D&C red, No. 17	lb.	8.35	- —
D&C red, No. 18	lb.	18.35	- —
D&C red, No. 19 cns.	lb.	15.35	- —
D&C red, No. 22, cns.	lb.	8.35	- —
D&C red, No. 33, cns.	lb.	13.35	- —
D&C red, No. 87, cns.	lb	12.35	- —
Yellow, D&C yellow, No. 7, cns.	lb.	8.35	- —
D&C yellow, No. 8, cns.	lb.	8.35	- —
D&C yellow, No. 11, cns.	lb.	10.35	- —
Dyes, coaltar (certified colors), for external use, drugs and cosmetics:—			
Blue, Ext. D&C blue, No. 1, cns.	lb.	12.35	- —
Green, Ext. D&C green, No. 1, cns.	lb.	12.35	- —
Red, Ext., D&C red, No. 1, cns.	lb.	10.35	- —
Ext. D&C red, No. 3	lb.	21.35	- —
Ext. D&C red, No. 8	lb.	7.85	- —
Ext. D&C red, No. 10, cns.	lb.	12.35	- —
Ext. D&C red, No. 13, cns.	lb.	12.35	- —
Yellow, Ext. D&C yellow, No. 1, cns.	lb.	8.35	- —
Dyes, coaltar, for general uses[4] (numbers are those of Colour Index Scale):—			
36 Chrome yellow 2G	lb.	.65	- .70
40 Chrome yellow R	lb.	.50	- 1.00
53 Victoria violet	lb.	.80	- 1.00
165 Lake red C	lb.	.70	- .80
170 Fast red A[4]	lb.	.56	- .60
180 Fast red VR	lb.	1.50	- 1.60
189 Lake red R, paste	lb.	.82	- .90
189 Lake red R, powd.	lb.	3.00	- 3.10

LIFE On The



(*Above*) **175 TONS OF BLUEPRINTS** were needed in the construction of the U. S. S. WISCONSIN shown here being prepared for launching on December 7, 1943 at the Philadelphia Navy Yard. The WISCONSIN, third of the Navy's "biggest battleship" class is nearly a city block long and her bow stands higher than a five-story building. The area of her decks and platforms is nine and a half acres and the electrical generators can handle the equivalent of the industrial and domestic load of a city of 20,000. Blueprints which convey to each worker the details of his particular job on construction such as this are in many cases processed by means of Cyanamid's REDSOL** Crystals which serve as an efficient and economical replacement for red prussiate of potash.

(*Above*) **TOP PRIORITY** for Air Transport has been given the extremely rare and little-known mineral, tantalite. Tantalite, is the only metal or mineral given this high rating for tantalum, the metal derived from tantalite, is one of the key products in the manufacture of secret detection devices. Over fifty per cent of the world production of this black mineral comes from South America where armies of miners work the many small mines scattered throughout the isolated interior of northern Brazil. Although it is estimated that it takes 3,000 tons of rock to yield one ton of tantalite, the mines are so small and the production in each case is so restricted that the use of modern mining machinery is not justified. For the most part, mining men still use the old-fashioned hand-washing method typical of American pioneer days to recover this precious mineral. Because it is so easily confused with other minerals found in pegmatite formations, tantalite is one of the most difficult minerals to locate and exploit. In the illustration, above right, is shown a general view of a tantalite open cut mine, while at the left, one of the miners holds a pan of this rare war mineral, tantalite, after washing and rewashing.

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index Scale):—

202 Chrome blue black U..lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast Cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .86
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet...lb. 2.00 - 2.25
365 Chrysophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.30
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .80
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .66 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B..lb. .85 - .90
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .56 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.30
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index Scale):—

845 Nigrosin (water soluble) lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L...b. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon ...lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Black:—
865 Nigrosin derivatives..lb. .36 - .44

Blue:—
7075 Alizarin, astral base..lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —

Brown:—
Brown .....lb. 1.15 - —

Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —

Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

Red:—
... Sudan II.....lb. 1.05 - —
458 Sudan IV.....lb. .95 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink). lb. 2.50 -
1080 Anthraquinone,[6] violet base..lb. 8.00 -

Dyes, coaltar, for general uses[5] (numbers are those of Colour Index Scale):—

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S. lb. .50 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10

Brown:—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
832 Bismarck brown R..lb. .47 - .62
793 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B ...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B .lb. 1.35 - —
1078 Alizarin cyanin green lb 2.00 -

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
151 Orange Y.....lb. .31 - .32
161 Orange R.....lb. .34 - —

Red:—
79 Ponceau R.....lb. .43 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[5].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .73 - .75
185 Cochineal red A.....lb. .60 - —
253 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .98 - —

Yellow:—
10 Naphthol yellow S...lb. .83 - —
136 Metanil yellow.....lb. .60 - .62
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
800 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.30 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

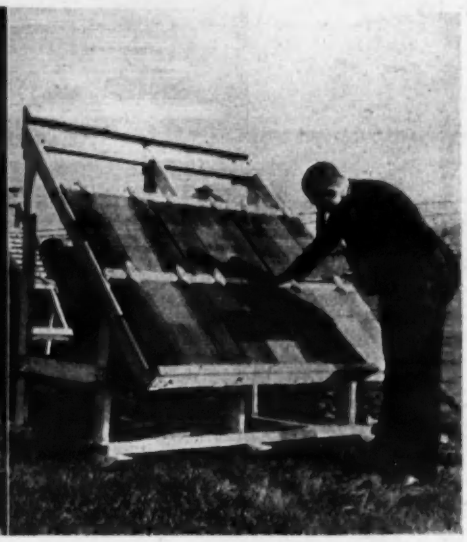
Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

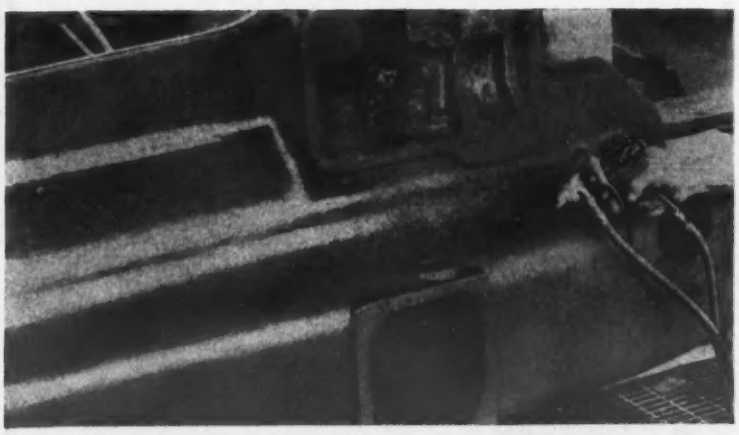
E

Echinacea root, bis.....lb. No stocks
Egg[1] albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.20 - —
imported .....lb. No stocks
Elder flowers, bright, bis.....lb. .57 - .58
Elecampane root, bis.....lb. .18 - .19
Elm bark, grinding, bis.....lb. .16 - .18
powd., bbls., bxs.....lb. .25 - .26
select, bndls.....lb. .25 - .26
Emetine hydrochloride, bots...oz.21.00 -33.00
Ephedra, bis.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.43
synthetic, USP, anhyd., bots., 100 ozs..oz. .65 - —
Hemihydrate, bots., 100 ozs. oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots., gram. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., bgs., c.l...100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l..... .lb. .08 - .09
Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Ergot, USP, dms.....lb. 1.40 - 1.45
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials.....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., divd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP, anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
synthetic, dms., c.l., works.lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12¾- —
Ethyl acetate,[3,6] 85-90%, dms., c.l., frt. alld..lb. .1170- .1275
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld. lb. .1225- .1385
l.c.l., frt. alld.....lb. .1275- .1385
tanks, frt. alld.....lb. .1125- .1225
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., wks.lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., divd. E...lb. .58 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.25 - 3.85
Formate, cns., dms.....lb. .27½- .90
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39¼
Myristate, ms., works.....lb. .55 - —
Oenanthate, dms.....lb. .75 - 1.25
Oleate, dms., works.....lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose,[4] standard, pkgs., 5,000 lbs or more, works..lb. .50 - —
smaller lots, same basis....lb. .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842- —
West of Rockies, same basis..lb. .0891- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0743- —
West of Rockies, same basis..lb. .0792- —

Chemical Newsfront



(*Above*) **SOYBEANS IN THE NEWS.** Soybeans, familiar to many Victory Gardeners as a highly valuable food crop, are also adding to their well-known record of versatility by their possible use in the manufacture of varnish and synthetic rubber. In a search for rubber substitutes, chemists of the U. S. Department of Agriculture developed a rubber-like substance from soybean and other vegetable oils. In the middle illustration, above, a technician is "milling" some of this experimental "Norepol" in the laboratory. In the same laboratories, government chemists have utilized soybean oil in the formulation of varnish, and (right) may be seen examining the varnish test panels exposed to the weather on the 45-degree exposure racks.



(*Left*) **"DRESSING UP" MACHINE TOOLS** and protecting their surfaces can now be accomplished by means of a "pebble" finish coating which is readily applied by spray gun, and can do the job in ⅓ to ½ the time needed for ordinary coatings because the metal surface does not need sanding or priming with fillers or sealers. Because this pebble-finish paint is made with tough resin vehicles, such as Cyanamid's Rezyl* or Phenac** resins, it provides satisfactory finishes with fewer coats than ordinary paints. With this new paint, it is now possible to finish a machine tool in three operations instead of the seven formerly required. The accompanying photograph shows how effectively the pebble finish hides the scratches, grinding scars and other surface defects shown at the left of the casting. The research and developmental work devoted to the formulation of this new coating will unquestionably help accelerate postwar planning for improved industrial finishes.

*Reg. U. S. Pat. Off. **Trade-mark

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Ethylenegiycol,[2,6] dms., c.l....lb. .10 - —
l.c.l. ....lb. .11 - —
tanks ....lb. .09 - —
Monobutylether,[6] d m s., c.l., wrks..lb. .16½- —
l.c.l., works....lb. .17½- .20½
tanks, works....lb. .15½- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works....lb. .15½- .16½
tanks, works....lb. .13½- —
Monoethylether acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms....lb. .12½- .15½
tanks, works....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works....lb. .16½- —
tanks, works....lb. .14½- —
Ethylethanolamine, d m s., c.l., works..lb. .57 - —
l.c.l., works.. ....lb. .60 - —
Ethylmorphine hydrochloride, bots..oz.10.55 -10.75
Ethylidianilin, dms.... .lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs., or more. lb. 3.25 - —
smaller lots....lb. 3.30 - 5.40
Eucalyptol, cns., dms....lb. 2.50 - 3.00
Eucalyptus leaves, bls....lb. .10 - .13
Eugenol, cns., dms....lb. 2.65 - 3.25
Euphorbia, bls....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum, 2 tons, bgs. ton.17.00 -20.50
glass, 20 mesh, bulk, works... ton. 9.75 -12.25
Feldspar, glass, l.c.l., minimum 2 tons, bgs..ton.12.75 -16.25
pottery, bulk, c.l., works...ton.17.00 -19.00
l.c.l., min. 2 tons, bgs....ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs....lb. .18 - .19
Fenugreek seed, domestic, bgs., lb. .14 - .14½
Indian, bgs....lb. .12½ Nom.
Morocco, bgs....lb .10½ Nom.
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l. ....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works....lb. .15 - —
water white, cs., 50 lbs., or over, works..lb. .14½- —
smaller lots, works....lb. .17 - —
Fir balsam, Canada, cns....gal.19.00 -20.00
Oregon, bbls....gal. 2.35 - 2.50
Fishberries, bgs....lb. .23 - .24
Fishmeal,[1] grd., 60% protein, bgs., East Coast fish factories..ton.72.50 - —
65% protein, same basis...ton.78.50 - —
Fishscrap, dried, 60% protein bulk, East Coast..ton.66.50 - —
Flake, white, dom., bbls....lb. .09 - —
kegs ....lb. .11 - —
Flaxseed, French, black, bgs..lb. .70 - .75
Indian, blonde, bgs....lb. .13 - .16
Fluorspar,[1] No. 1, ground, 95-98%, bulk, c.l., mines, net ton.37.00 - —
washed gravel, 70° or more CaF_2, mines..lb.33.00 - —
65% CaF_2, mines....lb.32.00 - —
60% CaF_2, mines....lb.31.00 - —
less than 60% CaF_2, mines, lb.30.00 - —
Formaldehyde,[1,5,6] bbls., c.l., works..lb. .0550- .0675
l.c.l., works....lb. .06 - .0625
dms., c.l., works....lb. .0515- .0540
l.c.l., works....lb. .0565- .0590
tanks ....lb. .04 - .04½
Fringetree bark, bls....lb. No stocks
Fuller's earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga. mines..ton. 8.50 -15.00
f.o.b. Tex. mines....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
Chicago ....ton. 4.00 - —
imp., English, bgs., c.l., dlvd. N. Y..ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15 - —
l.c.l., works....lb. .17½- .25
tech., dms., contracts, 150,000 lbs.lb. .10 - —
c.l., works....lb. .12½- —
l.c.l., works....lb. .15 - .20
tanks, works....lb. .09 - —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd....lb. .18½- .19½
Fustic, cryst., bbls., No. 1....lb. .32 - —
No. 2....lb. .30 - —
No. 3....lb. .28 - —
extract, bbls., No. 1....lb. .16 - —
No. 2....lb. .15 - —
No. 3....lb. .13½- —

G

G salt, bbls....lb. 45 - —
Galangal root, bls....lb. .28 - .30
Gambier, cube, Singapore, cases, lb. No stocks
extract, bbls....lb. .09½- .12
Gasoline[1] at refinery, ex tax:—
Arkansas, US motor, 72-74 octane, leaded, tanks..gal. .06 - —
Bayonne, 70 octane, unleaded, tanks..gal. .092 - —
72-74 octane....gal. .092 - .094
Gasoline, at refinery, ex tax:—
California, 78 octane, tanks... gal. .075 - —
Gulf Coast, US motor, 72-74 octane, tanks..gal. .05¾- —
80 octane, tanks....gal. .06¾- .07
Group 3, 72-74 octane, tanks. gal. .06½- .07
80 octane, tanks....gal. .07½- .07½
natural, 26-70, tanks....gal. .04¾- .05
Oklahoma-Texas, US motor, 72-74 octane, tanks..gal. .05½- .06
Pennsylvania, western, U. S. motor 72-74 octane, leaded, tanks..gal. .06 - .06½
Gelatin, silver, cs....lb. .90 - .97
Geisemium root, bls....lb. .19 - .20
Gentian root, bls....lb. .43 - .45
grd., bbls., bxs....lb. .48 - .49
powd., bbls., bxs....lb. .49 - .50
Geraniol, 92-96%, cns., dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. No stocks
Calicut, bgs....lb. .27 - .27½
Cochin, bleached, bgs....lb. .27 - .28
unbleached, bgs....lb. .26¾- .27½
Jamaica, No. 1, bgs....lb. .30 - .31
No. 2, bgs....lb. .28 - .29
No. 3, bgs....lb. .27 - .27½
Ginseng root, wild, South, cs..lb. 8.00 - 9.00
Glauber's salt, anhyd. (see Soda Sulphate).
Glauber's salt, cryst., bgs., bbls., c.l., works..lb. 1.05 - 1.25
l.c.l., 5 tons or over, works. 100 lbs. 1.15 - 1.35
less than 5 tons, works.. 100 lbs. 1.25 - 1.45
Glue, bone,[5] producers', calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
30/58, bgs., c.l., same basis. lb. .15½- —
58/82, bgs., c.l., same basis. lb. .17 - —
82/108, bgs., c.l., same basis. lb. .18½- —

Producers' bone glue l.c.l. prices 1c. over c.l.

hide, producers,[1,5] 100-121 (jelly test in grams), bgs., c.l., dlvd..lb. .16 - .21½
122-149, bgs., c.l., dlvd....lb. .17 - .22½
150-177, bgs., c.l., dlvd....lb. .18 - .23½
178-206, bgs., c.l., dlvd....lb. .19 - .24½
207-236, bgs., c.l., dlvd....lb. .20 - .25½
237-266, bgs., c.l., dlvd....lb. .21 - .26½
267-298, bgs., c.l., dlvd....lb. .22 - .27½
299-330, bgs., c.l., dlvd....lb. .23 - .28½
331-362, bgs., c.l., dlvd....lb. .24 - .29½
363-394, bgs., c.l., dlvd....lb. .25 - .30½
395-427, bgs., c.l., dlvd....lb. .26 - .31½
428-460, bgs., c.l., dlvd....lb. .27 - .32½
461-494, bgs., c.l., dlvd....lb. .28 - .33½
495-529, bgs., c.l., dlvd....lb. .29 - .34½

Hide glue l.c.l., prices 1c. over c.l. Glue in bbls., ½c. over bgs. Outside prices rule on glues made wholly of imported materials; inside prices on those made with approximately two-thirds domestic and one-third imported materials. Jobbers' prices 2c. to 3½c. over producers'. Chrome and coney glue, 267 or higher jellygram, c.l., 2c. over above prices; below 267 jellygram, 1c. higher. Freight charges above 75c. per 100 pounds may be added.

Glycerin,[1,4,5] CP, BP, 98%, dms., c.l., dlvd. Zones A and C..lb. .18¾- —
l.c.l., same basis....lb. .19¼- —
tanks, same basis....lb. .18¼- —
USP, 95%, dms., c.l., same basis..lb. .18¼- —
l.c.l., same basis....lb. .18¾- —
tanks, same basis....lb. .18 - —
dynamite, high gravity, yellow distilled, dms., c.l., same basis..lb. .18¼- —
l.c.l., same basis....lb. .18¾- —
tanks, same basis....lb. .18 - —

Chemically pure and dynamite glycerin are sold to the U. S. government at prices 1c. lower than above.

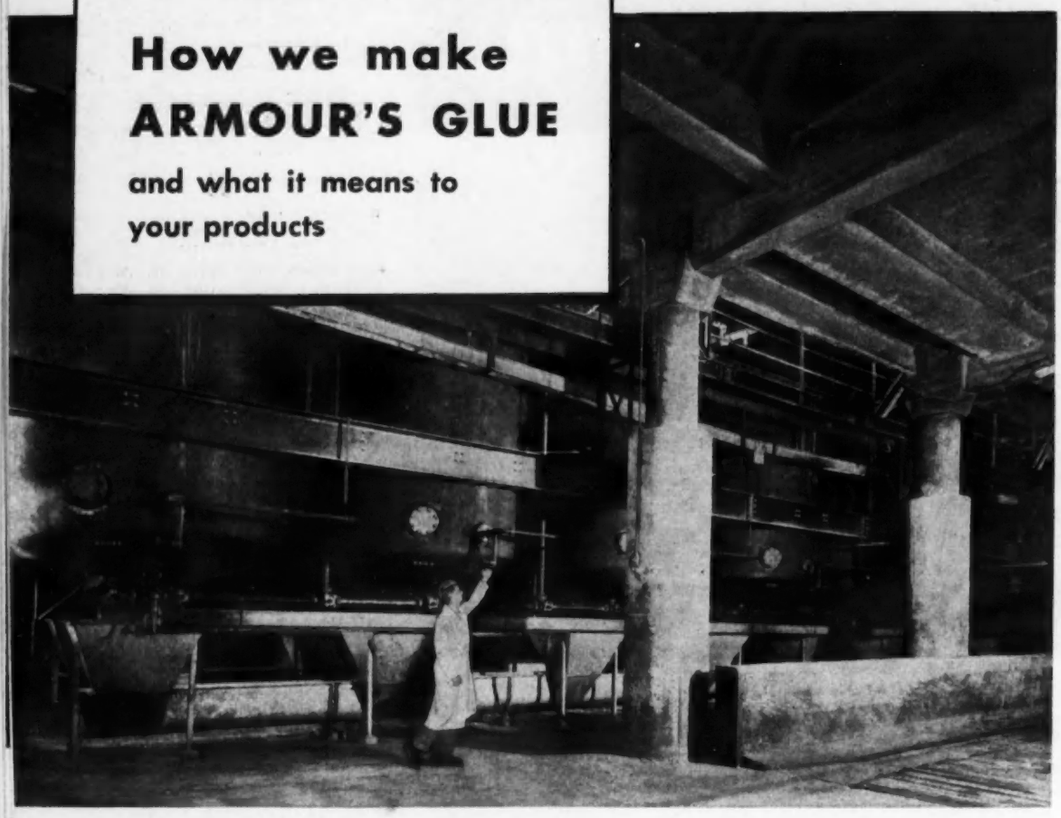
saponification, 88%, to refiners, dms., c.l., l.c.l., or tanks, same basis..lb. .12¾- —
to individual users, dms., c.l., same basis..lb. .13¾- —
l.c.l., same basis....lb. .14¾- —
tanks ....lb. .12¾- —
soapiye, 80%, dms., c.l., l.c.l., or tanks..lb. .11¼- —

Glycerin prices in Zone B, 2c. higher. Zone A is:—Col., east of but not including these counties:—Costilla, Custer, Douglass, Fremont, Gilpin, Grand, Huerfano, Jackson, Jefferson, and Teller; all points east of and including Kan., Neb., N. Dak., Omaha, S. Dak., Texas, and Laramie county, Wyo. Zone B is territory between zones A and C, as follows:—Ariz., Col., west of and including counties specified above; Nev., New Mex., Ore., east of and including these counties:—Deschutes, Hood River, Jefferson, Klamath, and Wasco; Wash., east of and including these counties:—Clelan, Kittitas, Klichat, Oklanogan, and Yakima. Zone C, territory west of Zone B.

Glycine, medicinal, bbls., tins..lb. 1.25 - 1.35
Glycol boriborate, dms....lb. .2.. - —
Stearate, dms....lb. .26 - —
Gold of pleasure seed, bgs....lb. No stocks
Gold chloride acid, brown, bots., oz.20.75 -21.00
yellow, bots....lb.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots....oz.14.50 -14.75
Goldenseal root, bls....lb. 6.00 - 6.25
powd., bxs....lb. 6.25 - 6.50
Grains of Paradise, bgs....lb. .21 - .25
Graphite,[1,5] flake (cryst.), 90%, 325 mesh, 50% graphite, carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works....lb. .07½- —
l.c.l., works....lb. .07½- —
80%, passable through 50 mesh screen, 65-80% carbon, bgs., works or whse..lb. .04½- —
70-74%, same basis....lb. .05 - —
75-79%, same basis....lb. .05½- —
80-84%, same basis....lb. .06 - —
85-89%, same basis....lb. .07 - —
90% and up, same basis....lb. .08 - —
Grease,[1,5] house, loose....lb. .08½- —
white, choice, loose....lb. .08¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..lb. 3.75 - —
molybdic, same basis....lb. 3.25 - —
Chrome,[1,5] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .25 - —
11-15%, bbls., same basis.lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —

How we make ARMOUR'S GLUE

and what it means to your products



These Pressure Cookers Extract the Glue Liquors

...se are only a few of the many giant ...ssure cookers in which the pure ...e is extracted from raw materials ... Armour's bone glue.

...Under regulated pressure, the freshly ...hed stock is processed to convert ... collagen into glue. The stock is ...ked not once . . . but several times. ...l after each "cook", the resultant ... liquor is drawn off.

...is this series of "cooks" which ...bles Armour to make so many dif... grades of glue . . . so many ...ds of glue to meet specific needs. ...nd the high quality of Armour's glue results from the rigid controls of the extraction process. For instance, *automatic* recording instruments constantly safeguard the manipulation of the cookers . . . around the clock!

Controls Like These Mean Better Glue for You

The exacting controls employed during pressure cooking are typical of those used in *all* stages of manufacture. And the end result of this painstaking process is glue that is good enough to meet your most critical standards.

At present, demand for certain grades of Armour's glue is greater than the supply. And while we may be unable to supply exactly the grade you want, we will be glad to discuss your problems with you with a view to suggesting more efficient use of glue that is available.

We think it will pay you to investigate the possibilities of Armour's Glue for:

Cold water calcimine	Clarification
Barrel sizing	Gummed paper
Wall sizing	Gummed tape
Textile sizing	Gummed cloth
Paper boxes	Spiral tubes

Protective colloidal effect

Glue it for good with Armour's

ARMOUR Glue DIVISION

Manufacturers of Hide Glue, Bone Glue, Flexible Glues, Soluble Dried Blood, Blood Albumin

1355 WEST 31ST STREET, CHICAGO 9, ILLINOIS

Green, chrome, CP, dark, light, medium blue content:—
31-35%, bbls., same basis..lb. .27½- —
36-40%, bbls., same basis..lb. .29 - —
41-45%, bbls., same basis..lb. .30½- —
46-50%, bbls., same basis..lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis..lb. .07½- —
11-13%, bbls., same basis..lb. .08 - —
14-16%, bbls., same basis..lb. .08¼- —
17-19%, bbls., same basis..lb. .08½- —
20-21%, bbls., same basis..lb. .08¾- —
22-23%, bbls., same basis..lb. .09 - —
24-25%, bbls., same basis..lb. .09¼- —
26-27%, bbls., same basis..lb. .09½- —
28-29%, bbls., same basis..lb. .10 - —
30-31%, bbls., same basis..lb. .10½- —
32-33%, bbls., same basis..lb. .12 - —
34-35%, bbls., same basis..lb. .13 - —
36-40%, bbls., same basis..lb. .14 - —
41-45%, bbls., same basis..lb. .17 - —
46-50%, bbls., same basis..lb. .17½- —
51-55%, bbls., same basis..lb. .18 - —
56-60%, bbls., same basis..lb. .18½- —
61-65%, bbls., same basis..lb. .19 - —
66-70%, bbls., same basis..lb. .20 - —
71-75%, bbls., same basis..lb. .21 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Oxide,[6] pure, dms., works..lb. .24 - —
Malachite,[1] thioflavin toner, tungstic, bbls., works..lb. 2.50 - —
molybdic, bbls., works..lb. 3.00 - —
Phthalocyanin,[1] green toner, bbls., works..lb. 4.00 - 5.00
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, green).
Grindelia robusta, bls..... lb. .16 - .17
Guaiac resin, cs.....lb. .48 - .49
Wood, bls.....lb. .05 - .06
Guaiacol, liq., dms.....lb. 1.75 - 2.01
Carbonate, 25b, dms.....lb. 2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works..lb .67 - —
smaller lots.....lb. .68 - .73¼
Guarana, powd., cs.....lb. No prices
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber, sorts, bgs....lb. .12¼- .13
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A)
Benzoin, siam, cs..... ...lb. 3.90 - 3.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal,[1] Congo, sorted, No. 30, bgs., c.l., ex dock, whse.lb. .53¾- —
31, same basis.....lb. .21½- —
32, same basis.....lb. .15¾- —
33, same basis.....lb. .14 - —
34, same basis.....lb. .09¼- —
35, same basis.....lb. .15¾- —
36, same basis..... .lb. .12¾- —
37, same basis.....lb. .18¼- —
38, same basis.....lb. .12¼- —
39, same basis.....lb. .10¾- —
40, same basis.....lb. .09 - —
41, same basis.....lb. .11¾- —

Gum, copal, Congo, unsorted, No. 1, bgs., c.l., same basis..lb. .14¾- —
2, bgs., c.l., same basis..lb. .12¾- —
3, bgs., c.l., same basis..lb. .11¾- —
FAD, bgs., c.l., same basis lb. .1.¾- —
East India,[1] batu, bold, scraped, bgs., c.l., same basis..lb. .10½- —
unscraped, same basis..lb. .09 - —
chips, same basis...lb. .13 - —
dust, same basis....lb. .06½- —
batu, bold, unscraped, nubs and chips, same basis..lb. .05¾- —
nubs and chips, same basis..lb. .05¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .12 - —
unscraped, same basis..lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis...lb. .11½- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .13¾- —
Singapore, Rasak, bold, bgs., same basis..lb. .22¾- —
chips, same basis...lb. .11¾- —
dust, same basis....lb. .05½- —
nubs, same basis....lb. .16¾- —
Macassar,[1] WS, bgs., c.l., same basis..lb. .11¾- —
MA, same basis.....lb. .09¾- —
MB, same basis.....lb. .09¼- —
dust, same basis.....lb. .07¾- —
Manila, Boeas[1], hard, bold, amber, light, bskts., c.l., same basis..lb. .13½- —
dark, light, same basis, lb. .14½- —
white, same basis....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13¾- —
C, same basis.....lb. .13¾- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12¾- —
DBB, same basis.....lb. .11 - —
DU, same basis.....lb. .08¾- —
DK, same basis.....lb. .09¼- —
MA, same basis.....lb. .09¾- —
dust, same basis.....lb. .07¾- —
MB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis. lb. .15½- —
dust, same basis.....lb. .07¾- —
whse., entry point, c.l.. lb. .08¾- —
Philippine,[1] Manila, extra bold, pale scraped, bskts., same basis..lb. .15 - —
bold, pale scraped, same basis..lb. .15 - —
extra pale, bold sorts, same basis..lb. .12¾- —
pale chips, bold, same basis..lb. .13 - —
pale, nubs, WCB, same basis..lb. .12¾- —
small chips, same basis..lb. .11¾- —
SG, same basis.....lb. .10½- —
seeds and dust, same basis. lb. .08¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23¾- —
mixed, same basis.....lb. .17¾- —
chips, small, same basis..lb. .12¾- —

Gum, copal, Pontianak, cuttings of split, same basis..lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l. prices ½c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .25¾- —
A/E, same basis.....lb. .25¾- —
B, same basis.....lb. .34¾- —
C, same basis.....lb. .28¾- —
D, same basis.....lb. .25¾- —
E, same basis.....lb. .18¾- —
F, same basis.....lb. .13¾- —
dust, same basis.....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l..lb. .30¾- —
2, bgs., same basis.....lb. .25 - —
No. 1, 3, bgs., same basis.lb. .12¾- —
chips, cs., same basis...lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¾- —
Gum dammar, l.c.l. prices, ¼c. to ½c. higher.
Elemi,[1] cns.....lb. .09½- .09¾
Ester, ord., dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid.-Atl. states, N. England states, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .09½- —
other points, dlvd....lb. .10 - .11
l.c.l., dlvd., Ill., Ind., etc. lb. .09¾- .10
otner points, dlvd.....lb. .10½- .12
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.65
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .40
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse.. lb. .16 - —
50%, same basis.....lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1 extra, same basis....lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2 extra, same basis....lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .22 - —
x, same basis.....lb. .26 - —
2x, same basis.....lb. .40 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis..lb. .35 - —
bright, same basis.....lb. .18 - —
bold, same basis.....lb. .40 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis.....lb. .25½- —
dust, pale, same basis....lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior, No. 1, same basis. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .96 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. 1.25 Nom.
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .50 - .60
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .15 - .30
Opium (see O).

Gum, red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] cs., ex dock, whse. lb. 1.40 Nom.
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 4.60 - 5.00
No. 3, cs.....lb. 3.00 - 3.50
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .06¾- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald. ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Rotos, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 3.25 - 3.35
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. No stocks
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bbls., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract,[1,2] 25% tan, c.l., bbls., works..lb. No stocks
tanks, works.....lb. No stocks
Hempseed, sterilized, bgs.....lb. .14 - .14¾
Henbane leaves, bls.....lb. 1.35 - 1.75
Henna leaves, bls.....lb. .17 - .18
powd., bbls., bxs.....lb. .22 - .23

SPOT DELIVERIES

BORIC ACID

Ammonium Persulfate, U.S.P. Calomel, U.S.P.
Formic Acid Dextrose C. P. Anhydrous
Heavy Calcined Magnesia

SULFOCARBOLATES, U. S. P.

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Heptane,[1] 50°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
77°-115°, industrial, dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,6] tech., dms., 1,500 lbs. up, Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., same basis, lb. .33 - —
USP, dms., 500 lbs. or more, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
industrial grades, tankcars, Group 3..gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots., oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit. 4.25 - 4.50
Hops, NF, bls.....lb. .50 - 1.50
Horehound, bls.....lb. .12 - .14
Hydrangea root, bls.....lb. No prices
Hydrastine, bots.....oz.20.00 - —
Hydrochloride, bots.....oz.20.00 - —
Sulphate, bots.....oz.20.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofluramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 8.75 - 9.00
dms., extra, ret'abls, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.20.00 -37.50
Hydrobromide, bots.....oz.20.00 -37.50
Sulphate, bots.....oz.20.00 -37.50
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .16 - —

I

Iceland moss, bls.....lb. 1.45 - 1.50
Ichthammol, N.F., bots.....lb. 2.45 - 4.50
Indian red (see Red, Indian).
Indigo, nat., cheests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.26.60 -27.50
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars.....lb. 1.07 - —
150-lb. kgs., net.....lb. 1.24½- —
resubl., 5-lb. bots., jars.....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs...lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ipecac[4] root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 50-80 mesh, bbls...lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd.....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
solut., USP IV, 100-lb. cbys., lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 5.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
USP X, cryst., lump, bbls., lb. .07½- —
dms.....lb. .08½- —
solut., N.F., cbys., works, frt. alld. or equald..lb. .06½- .07½
djns.....lb. .10 - —
Citrate, USP VIII, pearls, dms., lb. .70 - .75
powd., cns.....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.52 - —
Hyposulphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
syrup, bots., cbys.....lb. .80 - .85
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms...lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Oxide, black (see Black iron oxide).
Phosphate, ferric, N.F., pearls, cns..lb. .54 - .57
Pyrophosphate, pearls, cns...lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms., lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms...lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms., lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms. lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate,[6] bbls.....lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls., dms...lb. .23½- .26½
Isobornyl thiocyanoacetate, cbys., dms., extra, works..gal. 4.95 - —
Isobutyl acetate,[6] dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, dms., works.....gal. .45 - .56
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .41 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld., lb. .10 - —
Alcohol (see Alcohol).
Isopropyl ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks.....lb. .04½- —
Isopropylamine, dms., works...lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .45 - .62
powd., bbls., bxs.....lb. .52 - .58
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Imp. (Juniperus communis), bgs..lb. .70 - —

K

Kamala, tins.....lb. .45 - .50
Kaolin (see China clay).
Kava kava root, bls.....lb. .23 - .24
Kerosene at refinery:—
Ark., 41-43 w.w., bulk, tanks, gal. .04½- .04¾
Bayonne, 41-43 w.w., tank.. gal. .07⅛ - —
Gulf ports, 41-43 w.w., bulk.. gal. .04½- .04¾
Okla.-Texas, 42-44 w.w., tanks..gal. .04¾- .04¾
Penn., 45 w.w., tanks...gal. .07⅛- .08
46 w.w., tanks.....gal. .07⅛- .07½
47 w.w., tanks.....gal. .0706- .07⅛
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.10 Nom.
Lanolin (see Adeps lanae).
Lard,[1,6] city, tres.....,100 lbs.12.50 - —
Western, choice, tres...100 lbs.13.50 - —
Larkspur seed, bgs.....lb. 3.75 - 4.00
Laurel berries, bls.....lb. .26 - .30
Leaves, Cyprus, bls.....lb. .27 - .28
Greek, bls.....lb. .27 - .28
Portuguese, bls.....lb. .20 Nom.
Spanish, bls.....lb. .30¾- .31
Turkish, bls.....lb. .32 - .32½
Lavender flowers, medium, bls..lb. .80 - .85
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1,6] (metal) (see paint market).
Acetate, white, broken, bbls...lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] paste, stand., cns., c.l...lb. .06¾- .06
l.c.l.....lb. .06 - .06¼
powder, basic, 3-lb. bgs. or larger, c.l...lb. .11½- .12
l.c.l.....lb. .12 - .12¾
1-lb. ctns., c.l.....lb. .16½- .22½
l.c.l.....lb. .19 - .22
standard, 3-lb. bgs. or larger, c.l...lb. .11 - .11¼
l.c.l.....lb. .11½- .12
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l.....lb. .18½- .22½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E...lb. .07½- —
dlvd. Ariz., dlvd. Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .40 - —
Iodide, NF V, powd., bots..lb. 2.80 - —
jars.....lb. 2.60 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal (see quotations in market report).
Metallic paste, works.....lb. .19¾- .21¼
Naphthenate, 24%-30% Pb, 50-gal. dms..lb. .14½- .17¼
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .32 - —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09¼- —
smaller lots, Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10¾- —
other points.....lb. .10 - —
97%, Pb_3O_4, bbls., c.l. dlvd. Ala., etc..lb. .09¼- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Colo., etc.....lb. .10¼- —
Ariz., etc.....lb. .10¼- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10¾- —
other points.....lb. .10 - —
smaller lots, dlvd. Ala., etc., etc..lb. .11¼- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
In oil, 95% min., kgs.....lb. .14 - —
Resinate, precip., 23.1% Pb, 100-lb. dms..lb. .17½- —
Silicate, bxs.....lb. .0730- .0750
Soyate, 26.15% Pb, 50-gal. dms..lb. .22½- —
Stearate, bbls.....lb. .31 - .35
Sulphate (see Lead, white, basic sulphate).
Tallate, 16% Pb, 60-gal. dms.. lb. .08¾- —
Titanate, bgs., bbls., c.l., works, frt. alld. dry..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
l.c.l., smaller lots, E., frt. alld..lb. .11¾- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .06¾- —
other points.....lb. .06¾- —
l.c.l., dlvd. Ariz., etc..lb. .06¾- —
other points.....lb. .06¾- —
basis sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¾- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
in oil, consumers, kgs...lb. .12¾- .13¾
dealers, 100-lb. kg.....lb. .11¼- .11¾
painters, 100-lb. kg.....lb. .12¾- .13¾
Lecithin, edible, dms., c.l....lb. .28½- —
l.c.l.....lb. .29 - .45
in cocoa butter, dms., c.l....lb. .40¼- —
l.c.l.....lb. .41 - .55
pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .25 - —
l.c.l.....lb. .26½- .27½
Lemon peel, bls.....lb. .35 - .40
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .88
root, natural, Indian, bls....lb. .08 - .09
powder, bbls.....lb. .14 - .15
Russian, bls.....lb. .06½- .09
Spanish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 6.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal...ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 9.00 - —
hydrated, paper bgs., f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 9.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 9.00 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.50 - —
Lime-ammonia nitrogen 20.5% N, bgs., works..ton.22.50 - —
Lime salts (see Calcium).
Linalool, cns.....lb. 7.00 -10.50
Linalyl acetate, cns.....lb. 4.50 -11.50
Linden with leaves, bls.....lb. .95 - 1.00
Linseed meal,[1] 34% bulk, c.l.ton.45.00 - —
32% bulk, c.l.....ton.42.00 - —
Litharge, com'l powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08¼- —
smaller lots, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¾- —
Other points.....lb. .09 - —
Lithium[6] bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[1] ordinary, bgs., c.l. (20 tons)..lb. .04¾- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons.....lb. .04½- —
smaller lots.....lb. .04¾- —
titanated[6] (high-strength), bgs., c.l...lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .40 - .42
Lobeline sulphate, bots., wks..oz.25.50 -28.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23¼- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. .45 Nom.
imported, bls.....lb. 4.50 Nom.
Lupulin, NF, tins.....lb. 4.75 Nom.
Lycopodium, USP, cs.....lb. 5.00 - 5.25

M

Mace,[1] Amboyna, cs.....lb. .77 - .78
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .67½- .68
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[6,1] dms....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¾- —
kgs.....lb. .10¾- —

Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa., and R. I. Zone 2—Balance of U. S. Frt. alld. on c.l. shipt., equaled, with Ambler, N. Y.; Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l., incl., dlvd. storedoor.

Chloride, anhyd., bbls., dlvd..lb. .13 - —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Oxide (see Magnesia, calcined).
Palmitate, bbls.....lb. .33 - .35
Peroxide 15%, dms., works...lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags., f.o.b. mines, Calif..ton.58.75 - —
dead-burned,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .26
Mandrake root, bls.....lb. .23 - .26
Manganese acetate, dms.....lb. .26½- —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .17
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, Afrian, battery, 84-87% bbls., 28-40 tons, works..ton.74.00 - —
5-15 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works..ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works.ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l., works..ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, 2 bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.13 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 5.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, 50-gal. dms..lb. .16 - —
Resinate, fused, 2½%, bbls..lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Mn, 50-gal. dms., lb. .22 - —
Sulphate, anhyd., dms., works, lb. .11¼- .11¾
feed grade, 77-80%, bgs....lb. .05¾- .06½
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.66.50 - —
industrial grade, 80% $MnSO_4$, bgs..lb. .05 - .05½
Tallate, 4% Mn, 50-gal. dms., lb. .09 - —
Mangrove bark, if and when available, bgs., based on freight $19; insurance $2 per ton. Any difference for buyers' account. Current freight $18.20; WSA Insurance $3.75 per ton..ton.63.00 - —
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[2] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton.14.50 -20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton.17.50 -25.00
Marjoram, Argentine, bls.....lb. .42½- .43
Calif., French type, bls.....lb. .75 - .76
Chilean, bls.....lb. .38 - .39
French, bls.....lb. No stocks
Portuguese, wild, bls.....lb. .32½- .35
Tunisian, bls.....lb. .60 - .65
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, Brazilian, cs., lb.16.50 - —
synthetic, USP, cs.....lb.13.00 - —
technical.....lb. 6.00 - 6.50
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tube..lb. .70 - .72
30% pails.....lb. 1.37 - 1.39
50%, pails.....lb. 1.99 - 2.01
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride,[2] (see Corrosive sublimate).
Bisulphate,[2] bots.....lb. 2.87 - —
dms.....lb. 2.74 - 2.76

Mercury chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 3.80 - —
Iodide,[2] red, NF, bots.....lb. 4.51 - 4.56
dms., kgs.....lb. 4.45 - —
yellow, bots.....lb. 4.61 - 4.66
fib. dms., kgs.....lb. 4.55 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, NF VI, dms.....lb. 3.89 - —
tech. (see Yellow, mercury oxide).
Oxide,[2] yellow, NF VI, fib. dms..lb. 3.18 - 3.20
tech. (see Yellow, mercury oxide).
red,[2] NF (see Red, precipitate).
tech. (see Red, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.84 - 1.89
dms. .....lb. 1.77 - 1.79
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks .....lb. .10¼- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
gold X+, deep, 23, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidine, bbls...lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside, drums included. Prices W. of Miss. R. 3c. higher.

synthetic,[2,6] dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or dlvd...gal. .36½- —
3, frt. alld.....gal. .35½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
3, frt. alld.....gal. .42½- —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .52½- .56½
tanks, Zone 1, frt. alld....gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Col., Fla., Ga., Kans., La., Miss., Neb., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., also (c.l. only), Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10¼- .12
W. of Miss.....lb. .11½- .13
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss., lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —
Natural methyl acetone quoted dms., included by group A. Prices W. of Miss. R., 3c. per gal. higher.
group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
dms., l.c.l., Zone 1, same basis..gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums, extra by Group B, sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1.. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Me., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.25 - 2.65
Benzoate, cns.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .35 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Methyl cinnamate, cns.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd...lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate,[1] 500-lb. dms.....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, dms., cns., works..lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld..lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, medicinal, kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Methylene chloride, refrig., dms., works..lb. .18 - .23
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
tanks, same basis.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, cryst., cns..lb. 3.00 - 3.10
Methylpentanediol, com'l, dms., l.c.l., works..lb. .20 - —

Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works..ton.27.50 - —
l.c.l. .....ton.32.50 - —
30-31 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
40-45 mesh, bgs., c.l..ton.27.50 - —
l.c.l. .....ton.32.50 - —
80 mesh, bgs., c.l.....ton.35.00 - —
l.c.l. .....ton.38.00 - —
paint, plastic, 100 mesh, c.l., bgs..ton.40.00 - —
l.c.l. .....ton.43.50 - —
wet-grd.,[1] biotite, c.l., bgs...lb. .03¾- —
l.c.l. .....lb. .04¼- —
white, 1,000 mesh, bgs., c.l., lb. .03¾- —
paint or lacq., c.l., bgs....lb. .04¾- —
l.c.l. .....lb. .05¼- —
paper bgs., c.l.....lb. .04¾- —
l.c.l. .....lb. .05¼- —
Mica, wet-grd., rubber, c.l., bgs. lb. .04¼- —
l.c.l. .....lb. .05 - —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, Zone A, bbls., bulk. lb. .12½- —
Zone B.....lb. .12¾- —
spray, bbls., bulk, Zone A..lb. .14½- —
Zone B, same basis.lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.

whole, roller, bbls.....lb. .35 - —
spray, bbls.....lb. .36 - —

Milk sugar,[1] bbls., c.l., works..lb. .26 - —
l.c.l., 10 bbls. or over, works. lb. .26¾- —
less than 10 bbls., works..lb. .27¼- —
Millet seed, early fortune, bgs., lb. .04¼- .04¾
hulled, bgs.....lb. .07 - .12
yellow, bgs.....lb. .04¼- .04¾
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,5] blackstrap, tanks, f.o.b. works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.20.00 - —
Area 4, same basis....ton.24.20 - —
Area 5, same basis....ton.33.20 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif., Wash., Ore.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excluding Grand Island area), S. D., Utah, Wyo.; Area No. 5, Grand Island, Neb., Ia., Ind., Mich., Minn., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99% powd..lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., works.....lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monochlorobenzene, dms., c.l..lb. .05½- —
l.c.l. .....lb. .07 - .09
tanks .....lb. .06 - —
Monoethanolamine,[6] dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —

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"SEWN WITH BEMIS SPECIAL THREAD, EH? SAY, THIS BAG IS CLOSED AS TIGHT AS A SCOTCHMAN'S POCKETBOOK"
"IT'S A SWELL ADVERTISEMENT..REGULAR BILLBOARD. AND BEMIS PRINTING MAKES IT STAND OUT ALMOST LIKE NEON LIGHTS"
"BEMIS MAKES ALL TYPES OF MULTIWALL BAGS — SEWN OR PASTED, VALVE OR OPEN-MOUTH"
Your Brand
"WHEN YOU SEE THE BEMIS BAG-MAKER'S CERTIFICATE, ON A BAG, YOU CAN BET IT EXCEEDS THE CONSOLIDATED FREIGHT CLASSIFICATION REQUIREMENTS. PLENTY TOUGH, SURE 'NOUGH"
"IF YOU NEED A REAL WATERPROOF, MOISTUREPROOF BAG, BEMIS HAS IT"
"BEMIS BAGS ARE TAILOR-MADE TO YOUR REQUIREMENTS"

CALL IN THE BEMIS MULTIWALL PAPER BAG EXPERT

Bemis has a staff of Multiwall Paper Bag experts which are at your service whether you are a Bemis customer or not. Call upon us any time you have a troublesome packaging problem. You'll find the Bemis Man an expert on all phases of such problems, whether it be bag design, bag closing equipment, shipping or storing bags. Let him study your packaging operations. He may suggest ways to increase output, lower man power, cut costs or reduce waste. His call will cost you nothing and place you under no obligation.

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BETTER BAGS FOR 86 YEARS

Monoethylamine, basis 100%, dms., c.l., works..lb. .45 - —
l.c.l., works.....lb. .46 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethyl para-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monomethylamine, dms.....lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrochloride, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, 5-oz. bots....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots. oz.40.00 -45.00
synth., ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more..lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.90
Mustard seed, Calif., brown, bgs. lb. .20½- .21
Montana, brown, bgs.....lb. .11½- .12
yellow, bgs.....lb. .10¾- .11¼
Washington, yellow, bgs.....lb. .11¾- .12¼

Myrobalans,[6] J1, bgs., f.a.s., based on freight $25; insurance $2 per ton. Any difference for buyers account. Current freight $27; WSA insurance $4.50 per ton.. ton.75.00 - —
J2, bgs., f.a.s., same basis.. ton.68.00 - —

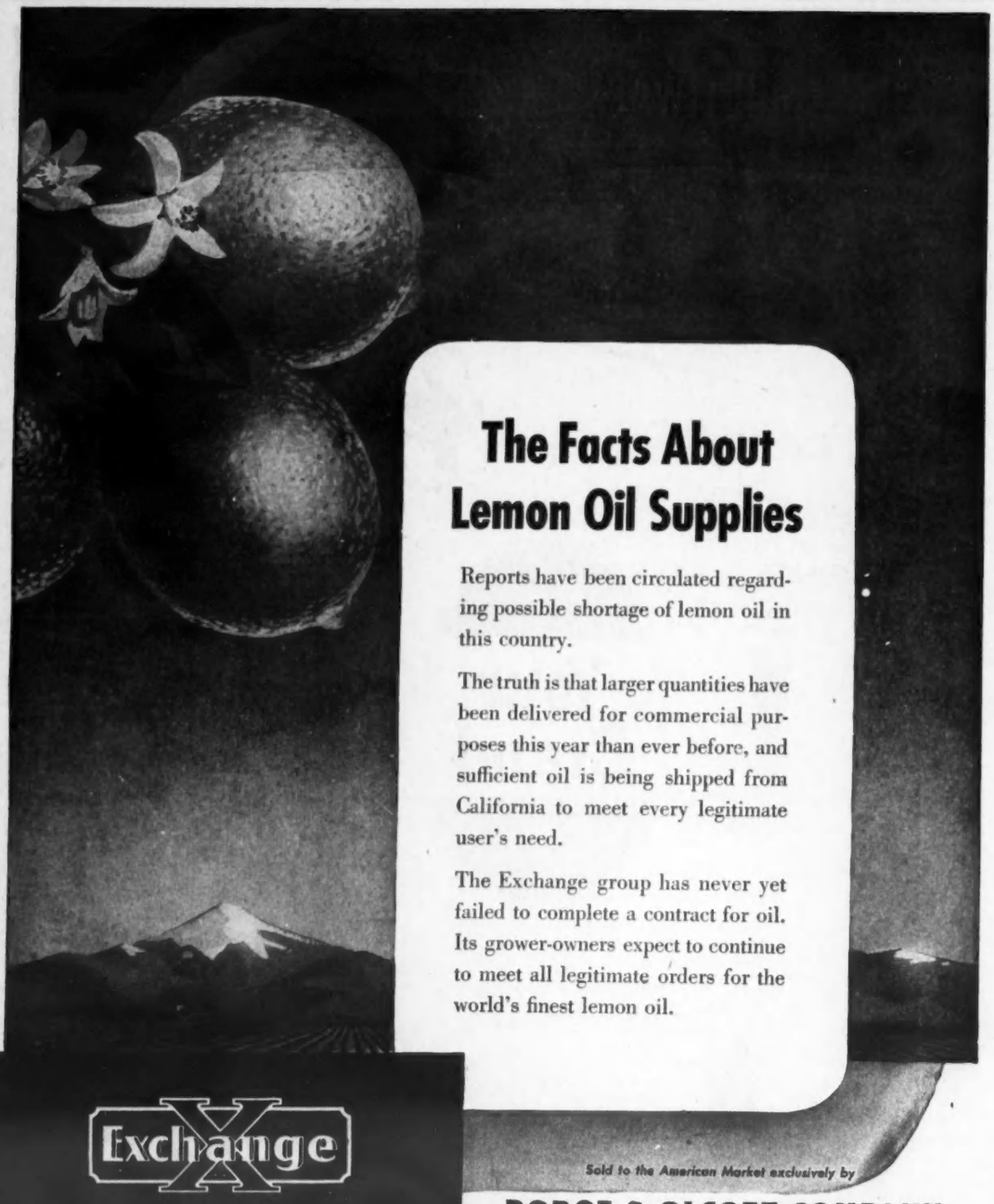
N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude,[1,6] dom., 74°, bgs., c.l., frt. equald..lb. .03 - —
bbls., c.l., same basis..lb. .031 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis....lb. .0335- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .06¾- —
Neocinchophen, USP, dms....lb. 7.00 - 7.10
Nepheline syenite, glass grade, 20 mesh, bulk, Rochester, N.Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N.Y..ton.15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Neroiln, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel[6] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. 1.40 - 1.50
Oxide,[6] black, bbls.....lb. .35 - .38
Salt,[6] bbls.....lb. .13 - .13¼

Nicotine[2] sulphate, 40%, dms., 50 lbs..lb. .7980- —
tins, 10 lbs.....lb. .90 - —
Nicotinamide,[6] dms.....kilo.13.25 -15.00
Niger seed, bgs.....lb. .19 - .20
Nikethamide, bots., cbys.....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .06 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, ester-soluble, 30-35, ¼, ½ sec., bbls., dry weight, l.c.l., works..lb. .26 - —
5-6, 15-20 sec. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Alcohol-soluble, ¼, ½, 5-7, 40-60 sec., same basis..lb. .28 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, dms., l.c.l., wks.lb. .25 - —
Nitrogen solut., tanks, works, ports..ton.121.58 - —
Nitrogenous process tankage, bulk, producing plant..... unit-ton, 3.15 + .40- 3.50 + .40
sewage sludge, bulk, producing plant..unit-ton. 2.60 + .40- 3.00 + .40
Nitromethane, dms., l.c.l., works. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane I, dms., works..lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs.....lb. .44 - .45
Chinese.....lb. .39 - .40
Nutmegs,[1] E. I., 80's, bgs....lb. .75 Nom.
West Indian, No. 1, bgs....lb. .36½ Nom.
broken, bgs.....lb. .55 - .60
Nux vomica, bls.....lb. .09 - .11

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works..lb. No stocks
tanks.....lb. No stocks
Ocher (see Yellow)
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal,[6] tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
Bitter, F.P.A.....lb. 5.25 - 5.50
natural, USP, bots.....lb. Nominal
sweet, exp., dms., cns.....lb. 1.85 - 2.25
Angelica root, bots.....lb. No stocks
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, USP, cns., dms.....lb. 3.75 - 4.00
Apricot kernel, cns.....lb. .56 - .60
Avocado, cns., dms.....lb. 1.00 - 1.25
Babassu,[1,3] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns..lb. 1.55 - 1.75
Puerto Rican, 55-60%, cns..lb. 1.65 - 1.95
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coppers...lb.25.00 Nom.
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet birch).
Birchtar, crude.....lb. 2.00 - 2.25
rectified, cns.....lb. 3.00 - 3.25
Bois de Rose, Brazil, cns...lb. 5.10 - 5.25
Mexican (see lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.65 - 2.25
redistilled, USP X, cns....lb. 1.95 - 2.50
Calamus, cns.....lb.22.50 -25.00
Camphor, sassafrassy, cns...lb. No stocks
white, cns.....lb. No stocks
Cananga, native, cns.....lb. 8.75 -10.00
rectified, cns.....lb.10.25 -11.00
Capsicum (oleoresin), USP VII, cns..lb. 4.50 - 4.65
Caraway, USP, cns.....lb. No prices
Cardamom, bots.....lb.25.00 -28.00
Cassia, USP, cns.....lb.12.00 Nom.
Castor,[1] blown, dms., returnable, c.l..lb. .13¼- —
l.c.l.....lb. .16 - —
cold pressed, USP, bbls., c.l. lb. .14 - —
cns.....lb. .15¾- .17¾
cns.....lb. .13¾- —
dms., returnable, c.l....lb. .13¾- —
l.c.l.....lb. .14¼- —
tanks.....lb. .13 - —
dehydrated, dms., c.l.....lb. .1790- —
l.c.l.....lb. .1830- —
tanks.....lb. .1750- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l.....lb. .14¼- —
dms., returnable, c.l...lb. .13½- —
l.c.l.....lb. .14¼- —
tanks.....lb. .12¾- —
sulphonated, 50% (45% fat), dms., c.l..lb. .10 - —
l.c.l.....lb. .11 - —
75% (63% fat), dms., c.l..lb. .12¼- —
l.c.l.....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .13½- —
l.c.l.....lb. .14½- —
Cedarleaf, tech., cns., dms...lb. 1.20 - 1.25
USP, cns., dms.....lb. 1.70 - 1.75
Cedarwood, Southern, dms...lb. .70 - .80
Celery, bots.....lb.24.00 -26.00
Chaulmoogra, USP, cns.....lb. .60 - .70
Chinawood (see Oil, tung).
Cinnamon bark oil, bots....lb.35.00 -40.00
leaf oil, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. .95 - 1.05
Java, cns.....lb. 2.75 Nom.
Clove makers, USP, cns.....lb. 1.68 - 1.76
Coconut,[1,3] Manila, crude, bulk, c.i.f., N. Y..lb. .0835- —
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .90 - —
Codliver,[6] med., USP, 30-gal. bbls. or dms..bbl.80.00 -88.00
Coriander, bots.....lb.28.50 -35.00
Corn,[1,6] crude, tanks, works.lb. .12¾- —
ref'd, bbls.....lb. .15½ Nom.
Cottonseed,[6] cooking, bbls...lb. .16¾- —
salad, bbls.....lb. .17 - —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 6.25 - 7.50
weed, bots.....lb. 5.15 - 6.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, cns.....lb. 1.00 - 1.18
Fennel, sweet, cns.....lb. 3.25 - 3.90
Fir, Canada, cns.....lb. 2.00 - 2.75
Fishliver,[1,6] dms., less than 40,000 A units per gram..... per million units. .14 - —
For each 1,000 additional A units up to 200,000 per gram....per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintegreen leaf)
Geranium, Algerian, cns.....lb.13.00 -13.75
Bourbon, cns.....lb.14.00 -16.50
Russian, cns.....lb.16.50 - —
Turkish (see Oil, palmarosa).
Grapefruit, cns.....lb. 2.00 - 2.10
Ginger, dist., bots.....lb.20.00 - —
Hemlock, cns.....lb. 1.30 - 1.40
Juniper berry, cns.....lb.12.00 -16.00
wood, tech., cns.....lb. 1.00 - 1.25
Juniper tar, USP, dms.....lb. 1.05 - 1.35
Lard,[6] common, 1, bbls.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
winter, strained, bbls....lb. .15 - —
prime, burning, bbls.....lb. .16 - —
ined., bbls.....lb. .15½- —
Laurel, bots.....lb. No prices
Lavandin, cns., 25 lbs.....lb. 8.00 - —
Lavender flower, French, cns., lb. 7.50 -16.00
Russian, cns.....lb.11.00 -11.50
garden, cns.....lb. .55 - .75
spike, Spanish, pure, cns..lb. 3.50 - 4.00
tech., cns.....lb. 2.75 - 3.00
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. No stocks
Terpeneless.....lb.25.00 -50.00
Lemongrass, cns., dms.....lb. 1.25 - 1.50
Lignaloe wood, Brazilian (see Bois de rose).
Mexican, seed, cns.....lb. No stocks
wood, cns.....lb. 3.25 - 3.35
Lime, dist., Jamaica, cns....lb. 6.50 - 7.50
Mexican, cns.....lb. 6.00 - 6.50
expressed, Jamaica, cns....lb.11.00 -12.50
Linseed, raw, dms., c.l.....lb. .1510- —
10 or more.....lb. .1550- —
5 to 9.....lb. .1570- —
1 to 4.....lb. .1610- —
tankcar.....lb. .1470- —
tankwagon.....lb. .1490- —
Boiled linseed oil, .004 over raw.
Linseed replacement, dms...gal. 1.13½- 1.21½
tankcar.....gal. 1.10½- —
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-900 vis., 2¼-4, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ plus tanks..gal. .07¼- .11½
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .22¼- .28



The Facts About Lemon Oil Supplies

Reports have been circulated regarding possible shortage of lemon oil in this country.

The truth is that larger quantities have been delivered for commercial purposes this year than ever before, and sufficient oil is being shipped from California to meet every legitimate user's need.

The Exchange group has never yet failed to complete a contract for oil. Its grower-owners expect to continue to meet all legitimate orders for the world's finest lemon oil.

Exchange

OIL OF LEMON U. S. P.

Sold to the American Market exclusively by

DODGE & OLCOTT COMPANY
180 Varick Street, New York, N. Y.

FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York, N. Y.

Distributors for: CALIFORNIA FRUIT GROWERS EXCHANGE PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant: Exchange Lemon Products Co., Corona, California

Copyright 1943, California Fruit Growers Exchange, Products Dept.

Oil, lubricating, at refinery, ex tax, Group 3, 300 vis., No. 3 col., 0-10 pour, tanks, gal.	.14½-	.18
200-280 vis., No. 3 col., 15-25 pour, tanks..gal.	.15 -	.17½
140-150 vis., No. 3 color, 10-25 pour, tanks..gal.	.24 -	.30
cylinder oils, 600-630 flash, tanks..gal.	.16 -	.17
600-650 steam ref'd, tanks..gal.	.15 -	.15½
neutral, 70° F., No. 3 color, 150 vis., 0-25 pour, tanks..gal.	.26 -	.30½
200 vis., 0-25 pour, tanks..gal.	.28 -	.32½
Mace, dist. cns., dms.....lb.	No prices	
Mandarin, Brazilian, cns.....lb.	8.75 -	9.00
Italian, coppers.....lb.	11.50 -	15.00
Menhaden,[1,5] crude, tanks, Balto..lb.	.0890-	—
ref'd, alkali, dms.....lb.	.1405-	.1407
kettle-bodied, dms.....lb.	.1505-	.1507
light-pressed, dms.....lb.	.1305-	.1307
tanks .....lb.	.1225-	—
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns...lb.	1.60 -	1.70
Mustard seed,[6] exp., dms....lb.	.14¾-	—
Neatsfoot,[4] 15°, c.l., bbls...gal.	1.90 -	—
20°, c.l., bbls.....gal.	1.80 -	—
30°, c.l., bbls.....gal.	1.60 -	—
pure, French, bbls.....lb.	.18¼ Nom.	
Neroli, bots.....lb.	220.00 -	275.00
Haitian, dms.....lb.	240.00 -	—
Nutmeg, dist., cns., dms.....lb.	No prices	
Oiticica,[1] liquid, dms.....lb.	.26¼-	—
tanks .....lb.	.25 -	—
Oleo,[8] 1, bbls.....lb.	.13¾ Nom.	
Olibanum, bots.....lb.	5.00 -	—
Olive, denat., dms.....gal.	No stocks	
edible, Calif., dms.....gal.	No stocks	
imported, dms.....gal.	No stocks	
foots, dms.....lb.	No stocks	
sulphonated, 50% (40% fat), dms., c.l..lb.	No prices	
l.c.l. .....lb.	No prices	
85% (68% fat), dms., c.l..lb.	No prices	
l.c.l. .....lb.	No prices	
80% (68% fat), dms., c.l..lb.	No prices	
l.c.l. .....lb.	No prices	
Orange, sweet, dist., cs.....lb.	.75 -	—
expressed, Brazilian, cns...lb.	1.25 -	1.40
Calif., cns. .....lb.	1.15 -	1.50
Florida, cns., dms.....lb.	.85 -	1.25
Messina, USP, coppers.lb.	No stocks	
West Indian, cns.....lb.	4.50 -	5.00
sequiterpeneless, bots....lb.	97.00 -	100.00
Origanum, Spanish, cs.....lb.	2.40 -	2.75
Palm,[1,8] Niger, dms.....lb.	.0965-	—
Palmarosa, cns.....lb.	4.25 -	5.50
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal.	.06¾-	—
320° flash, 60-75 vis., tanks, same basis..lb.	.05¼-	—
350° flash, 70-80 a. 100 vis., 0/10 pour..gal.	.08 -	—
80-85 vis., 0/10 pour, bbls., extra, Ind. refy..gal.	.12 -	—
100-100 vis., 0/10 pour, same basis..gal.	.06½-	—
10/25 pour, same basis.gal.	.05¾-	—
100-105 vis., 0/10 pour, same basis..gal.	.14 -	—
Patchouli, cns.....lb.	10.00 -	11.00
Peanut,[1,8] crude, tanks, mill. lb.	.13 -	—
refd., edible, dms.....lb.	.16½ Nom.	
Pennyroyal, dms., cns.....lb.	3.00 -	4.10
Import, cns.....lb.	3.00 -	3.25
Peppermint, natural, dms....lb.	6.00 Nom.	
redist., USP, cns,, dms....lb.	6.35 Nom.	
Perilla, crude, dms.....lb.	No stocks	
Petitgrain, Haitian, ship't, dms.. lb.	2.25 -	—
Paraguay, cns., dms.....lb.	1.45 -	1.65
Pimento, berry, dms.....lb.	3.00 -	—
Leaf, cns. .....lb.	5.25 -	—
Pine, dms., c.l., divd. E.....lb.	.076 -	—
l.c.l., divd. E.....lb.	.081 -	—
tanks, South.....lb.	.06½-	—
divd. E.....lb.	.07 -	—
Pineneedle, cns.....lb.	3.25 -	3.50
Putty,[2] bbls., E. Segundo, Richmond, Cal..gal.	.22½-	—
contracts .....gal.	.19½-	—
dms., c.l., Whiting, Ind...gal.	*.24 -	—
Boston, Providence....gal.	.25 -	—
l.c.l., same basis.....gal.	.27 -	—
tanks, same basis.....gal.	.18 -	—

* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Rapeseed,[1,8] denat., bulk, c.l.f. N. Y..lb.	.1150-	—
Red,[8] dms., divd.....lb.	.13¼-	.14¾
tanks, divd.....lb.	.12½-	—
Rose, natural, coppers.....oz.	30.00 -	40.00
Rosemary, Spanish, cns., dms.lb.	1.85 -	2.00
Rosin, 1st rectified, dms....gal.	.62 -	—
2d rectified, dms.....gal.	.64 -	—
3d rectified, dms.....gal.	.68 -	—
Rue, bots.....lb.	8.25 -	10.00
Sage, Spanish, cns.....lb.	3.75 -	5.50
Sandalwood, NF, dist., cns..lb.	6.75 -	—
Mysore, cns., case lots....lb.	7.00 -	7.25
Sardine, crude,[1,5] tanks, Pac. Coast..lb.	.0890-	—
ref'd, alkali, dms.....lb.	.1405-	.1407
kettle-boiled, dms.....lb.	.1505-	.1507
light-pressed, dms.....lb.	.1305-	.1307
tanks .....lb.	.1225-	—
Sassafras, artif., cns.....lb.	1.25 -	1.40
natural, cns., dms.....lb.	1.90 -	2.00
Savin, cns.....lb.	No prices	
Savory, cns.....lb.	5.00 -	—
Sesame,[1,8] tanks.....lb.	.1430-	—
Shingle stain, bbls., c.l., works, gal.	.19 -	—
l.c.l., works.....gal.	.20 -	—
tanks, works.....gal.	.14 -	—
Snake root, Canada, cns.....lb.	No prices	
Soybean,[1,8] cr., tank, mill..lb.	.1175-	—
clarif., dms.....lb.	.1290-	.1340
tanks .....lb.	.1259-	—
refd., varnish, dms.....lb.	.1389-	.1400
tanks .....lb.	.1340-	—
Spearmint, dms.....lb.	4.00 -	—
Sperm,[6] bleach, 38°, dms....lb.	.1443-	—
natural, 45°, dms.....lb.	.1310-	—
Spruce, cns., dms.....lb.	1.30 -	1.40
needle, cns.....lb.	3.00 -	3.25
Sunflower seed,[1,8] tanks...lb.	.1430-	—
Sweet birch, North, cns.....lb.	4.00 -	5.00
South, cns.....lb.	2.50 -	3.75
Tall, crude, dms., c.l., works, ton.	53.65	-55.00
l.c.l., works.....ton.	58.65	-63.65
tanks, works.....ton.	40.00	-45.00
refined, dms., c.l., works...lb.	.05 -	—
l.c.l., works.....lb.	.06½-	—
tanks, works.....lb.	.04½-	—
Tallow,[8] acidless, bbls.....lb.	.14¼-	—
tanks .....lb.	.13¾-	—
Tansy, cns.....lb.	3.70 -	4.00
Tar, pine, dms., c.l., divd. E. cities..gal.	.32¾-	—
l.c.l., f.o.b. works.....gal.	.29¾-	—
tanks, divd. E. cities....gal.	.27 -	—
rect., USP, bbls.....gal.	.60½-	—
Tar acid (see T).		
Thyme, NF, red, cns.....lb.	2.50 -	3.50
white, cns. .....lb.	2.65 -	4.00
Tung,[1,8] dms.....lb.	.39 -	—
tanks .....lb.	.38¾-	—
Turkey red (see Castor, sulphorated).		
Turpentine (see T).		
Vetiver, Java, bots.....lb.	50.00	Nom.

Oil, whale,[6] ref., natural, dms., lb.	.1187	Nom.
winter, bleach, dms.....lb.	.1232	Nom.
Wheat germ, dms.....gal.	10.00 -	13.50
White, mineral, tech., 50-60 vis., dms., c.l..gal.	.36 -	—
l.c.l. .....gal.	.42 -	.45
65/75 vis., c.l.....gal.	.36 -	—
l.c.l. .....gal.	.42 -	.45
USP, 80/90 vis., dms., dm. charges not included, c.l.gal.	.39 -	—
l.c.l. .....gal.	.45 -	.48
95/105 vis., dms., c.l....gal.	.44½-	—
l.c.l. .....gal.	.50½-	.53½
125/135 vis., dms., c.l...gal.	.49 -	—
l.c.l. .....gal.	.55 -	.58
145/155 vis., dms., c.l...gal.	.51 -	—
l.c.l. .....gal.	.57 -	.60
175/185 vis., c.l.....gal.	.54½-	—
l.c.l. .....gal.	.60½-	.63½
200/210 vis., c.l.....gal.	.58 -	—
l.c.l. .....gal.	.64 -	.67
320/330 vis., c.l. .....gal.	.65 -	—
l.c.l. .....gal.	.71 -	.74
335/345 vis., c.l.....gal.	.66 -	—
l.c.l. .....gal.	.72 -	.75
f.o.b. San Francisco, 55 vis., returnable bbls., c.l..gal.	.40 -	—
5 bbls.....gal.	.45 -	—
85 vis., c.l.....gal.	.40 -	—
5 bbls.....gal.	.45 -	—
100 vis., c.l.....gal.	.49½-	—
5 bbls.....gal.	.54½-	—
145 vis., c.l.....gal.	.57 -	—
5 bbls.....gal.	.62 -	—
180 vis., c.l.....gal.	.60½-	—
5 bbls.....gal.	.65½-	—
340 vis., c.l.....gal.	.72 -	—
5 bbls.....gal.	.77 -	—
Wintergreen, nat., North, cns. lb.	6.50 -	8.50
South, cns.....lb.	4.00 -	4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.....lb.	No prices	
Wormwood, cns.....lb.	5.00 -	5.75
Ylang-ylang, Bourbon, bots..lb.	11.00 -	14.50
Oleostearin,[1] bbls.....lb.	.1054-	—

Olivine, aggregate, c.l., mines, ton.	7.00 -	11.00
crushed, 8 mesh, bulk, c.l., works..ton.	8.00 -	—
paper bgs., c.l., works..ton.	9.50 -	—
200 mesh, c.l., mines.....ton.	17.00 -	—
100 mesh, c.l., mines.....ton.	15.00 -	—
20 mesh to dust.....ton.	12.00 -	—
lumps, same basis.....ton.	7.00 -	—
spalls, same basis.....ton.	5.00 -	—
Opium gum, USP, cns., 50-lb. lots..lb.	13.00 -	—
25-lb. lots, cns.....lb.	13.25 -	—
smaller lots, cns.....lb.	13.50 -	13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.		
Orange, dinitroanilin toner,[1,8] lb.	1.05 -	—
Lake, Persian,[1,8] bbls.....lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb.	.12¼-	—
divd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash., lb.	.12¾-	—
Colo., Mont., N. M., Wyo..lb.	.12½-	—
divd. other points.....lb.	.12 -	—
smaller lots, divd. Ala., etc..lb.	.12¾-	—
Ariz., etc.....lb.	.13¼-	—
Colo., Mont., N.M., Wyo., lb.	.13 -	—
Other points.....lb.	.12½-	—
Molybdate,[1,8] bbls.....lb.	.41 -	—
Orthonitroanilin toner,[1] kgs., works..lb.	.80 -	—
Toner, bbls.....lb.	.80 -	1.05
Orange peel, bitter, bbls.....lb.	.30 -	.31
Haitian, bgs.....lb.	.13 -	.14
sweet, bls.....lb.	.15 -	.16
Orangeflower petals, cs.....lb.	.45 -	.75
Oregano, Mexican, curly leaf, bgs..lb.	.13 -	.13½
flat leaf, bgs.....lb.	.12¾-	.13¼

Orris root, African, bls.....lb.	.80 -	.85
powd., bbls., bxs.....lb.	.85 -	.90
Portuguese, bls.....lb.	.45 -	.46
Verona, bls.....lb.	1.25 -	1.30
Orthoamylphenol, dms., works..lb.	.25 -	—
Orthoanisidin, bbls.....lb.	.70 -	—
Orthochloroanilin, dms.....lb.	.60 -	.70
Orthochlorophenol, dms.....lb.	.32 -	—
Orthocresol,[2,8] 30.4°C. Min. M.P., dms., c.l., works..lb.	.17½-	.18
l.c.l., same basis.....lb.	.18 -	.18½
29.0°C. Min. M.P., dms., c.l., works..lb.	.16½-	.17
l.c.l., same basis.....lb.	.17 -	.17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb.	.07 -	—
l.c.l., same basis.....lb.	.08 -	—
tanks, same basis.....lb.	.06½-	—
Orthochlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.....lb.	.45 -	—
Orthonitrochlorobenzene, dms..lb.	.15 -	.18
Orthonitroparachlorophenol, cns., lb.	.75 -	—
Orthonitrotoluene, dms.....lb.	.09 -	—
Orthophenetidin, dms.....lb.	.82 -	—
Orthotoluidin, dms.,.....lb.	.19 -	—
Osage orange, crystals, bbls...lb.	.23 -	—
extract, No. 1, bbls.....lb.	.11 -	—
No. 2, bbls.....lb.	.10 -	—
Oxyquinolin sulphate, cns., 100 lbs., works..lb.	3.50 -	—
smaller lots.....lb.	3.75 -	4.15

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Papain, powd., cs.....lb.	2.50 -	3.25
Papaverine hydrochloride, NF, natural, cns., 100-oz. lots..oz.	7.00 -	—
smaller lots.....oz.	7.35 -	7.35
Sulphate, natural, cns.....oz.	7.10 -	7.35

CYCLAMAL

The Accepted Basis For Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENT IN ODOR • • • • FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION • • • CYCLAMAL IS OF 100% PURITY

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AMERICAN DISTILLED OILS

Bring you the

Fragrance of the Pine Forest

Pure Oils Distilled Especially for us.

OIL OF CEDAR LEAF AMERICAN PURE

Exceptionally Fine Quality

OIL OF BALSAM FIR AMERICAN

OIL OF PINE NEEDLES AMERICAN

They come to you as they come from the still in the state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

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U. S. A. MANUFACTURED AND READILY AVAILABLE

Its great power makes it extremely economical to use, not only in the manufacture of Jasmin Odors but in many other Floral Compositions as well.

For the sake of economy, dependability and the fine results to be obtained with Indol, send for a sample and suggestions as to its use.

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GENERAL DRUG COMPANY

644 Pacific St., Brooklyn, N. Y.

9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

Paprika,[1] Portuguese, extra fancy, bgs..lb. .33 - .39
good, bgs.....lb. .37 - .38
Spanish, fancy, bgs.....lb. .45 - .56
good bgs.....lb. .36 - .37
fair, bgs.....lb. .32 - .33
Para-anisidin, dms., works....lb. .75 - —
Parachlorophenol, dms., wks..lb. .32 - —
Paracresol,[6] bbls., f.o.b. wks..lb. .41 - —
Paracymene, dms., c.l., works..lb. .1395- —
l.c.l. .....lb. .1645- —
tanks .....lb. .1645- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15
Paraffin, crude scale, white or yellow, 122-124 AMP, bbls., c.l., refinery..lb. .04¼- —
fully ref'd, slabs, loose, 120-122 AMP, c.l., refinery..lb. .05 - —
123-125 AMP, same basis. lb. .0520- —
125-127 AMP, same basis. lb. .0530- —
128-130 AMP, same basis. lb. .0560- —
130-132 AMP, same basis. lb. .0585- —
131-133 AMP, same basis. lb. .0635- —
133-135 AMP, same basis. lb. .0615- —
135-137 AMP, same basis. lb. .0640- —
138-140 AMP, same basis. lb. .0715- —
143-145 AMP, same basis. lb. .0810- —
149-151 AMP, same basis. lb. .1050- — higher than
Prices in bags 4/10c. per lb. those for slabs loose.
Paraformaldehyde,[2,5] dms., 1,000 lbs. or more, works..lb. .23 - —
100 to 900 lbs., works.....lb. .24 - —
Paraldehyde, tech., 96% 55 and 110-gal. dms., l.c.l., works.lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroanilin, kgs.. works...lb. .43 - .45
Paranitrochlorobenzene, k g s., works...lb. .15 - —
Paranitrophenol, kgs.....lb. .25 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, t e c h ., lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Pareira brava root, bls.....lb. No stocks
Paris green,[1] dealer, dms., kgs., c.l., works, frt. alld..lb. .20 - .25
l.c.l., same basis.....lb. .21 - .26
Passion flower herb, bls.....lb. .12 - .15
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .35 - —
Pellitory root, bls.....lb. .62 - .70
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works. lb. .20 - .25
Pentaerythritol,[6] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l., works.....lb. .29 - —
bbls., l.c.l., works.....lb. .33 - —
Tetra-acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C., industrial grade, dms., c.l., Group 3, gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07¼- —
laboratory grade, dms., c.l., gal. .16 - —
l.c.l. .....gal. .29 - —
10 gal.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .0695 Bid
50 to 100 bgs.....lb. .0705 Bid
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
red, chillies, Carolina, longs, bgs..lb. .30 - .31
sports, bgs.....lb. .50 - .52
Louisiana, sports, bgs....lb. .50 - .52
Mombassa, bgs.....lb. .23 - .23½
Niger, fair, bgs.....lb. .18½- .19
Sierra Leone, bgs.....lb. .22½- .23
Peppermint, USP, bls.....lb. .55 - .70
import, bls.....lb. .90 Nom.
Perchloroethylene,[2] d m s., c.l., works, frt. alld., Zone 1..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950

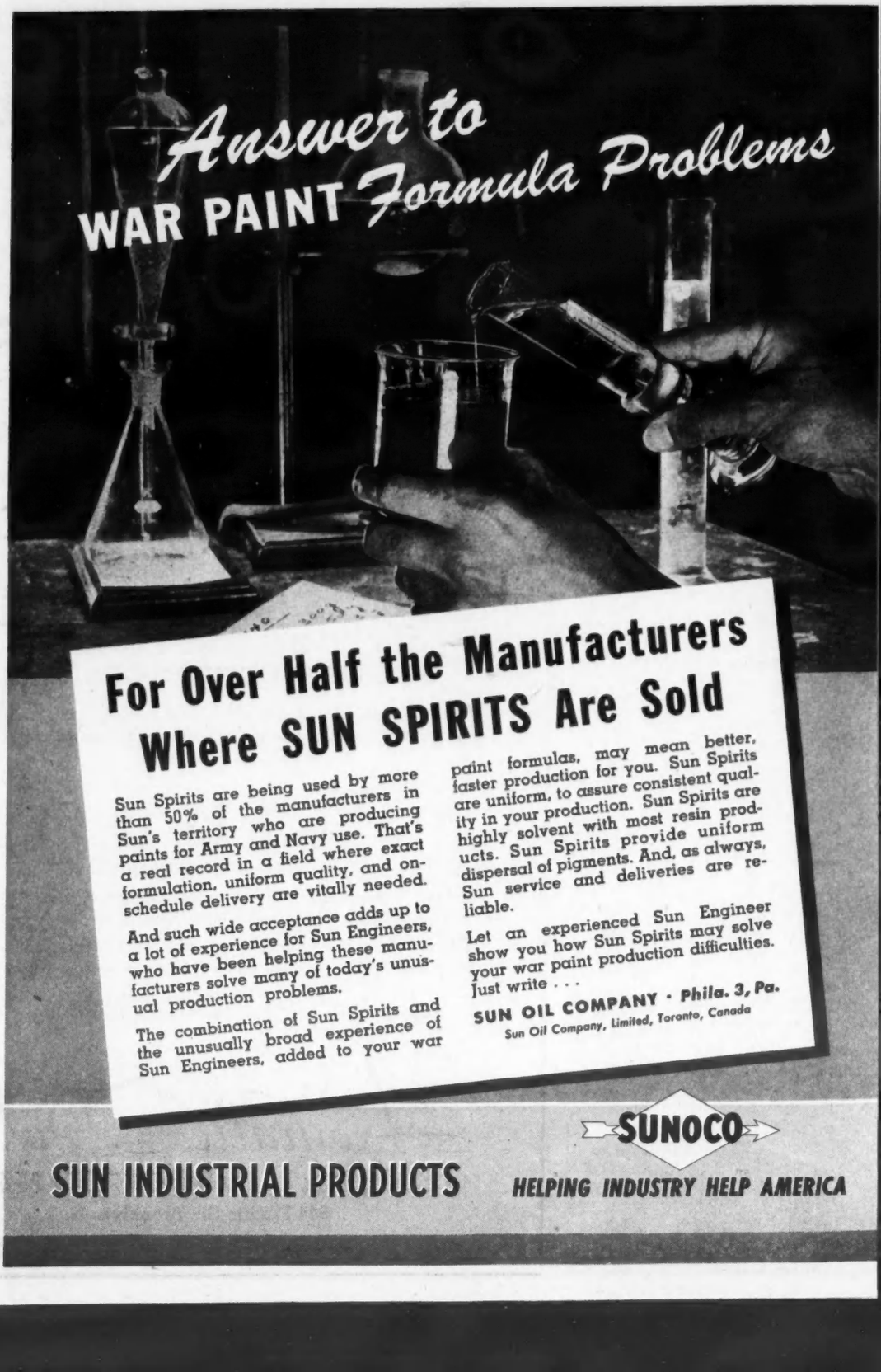
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala, Ark., Fla., Ga., Kans., La., Miss., Neb., N.D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Peru balsam, dms.....lb. 1.25 - 1.30
Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topas, bbls., c.l.....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinarian, bbls., c.l..lb. .024 - —
l.c.l. .....lb. .028 - —
Petrolatum, USP, amber, fiber dms., c.l...lb. .03½- —
l.c.l. .....lb. .04½- —
extra amber, fib. dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
cream, c.l., fib. dms.....lb. .05 - —
l.c.l. .....lb. .06¼- —
yellow, soft, c.l., fib. dms..lb. .03½- —
l.c.l. .....lb. .04½- —
white, lily, c.l., fib. dms..lb. .05¾- —
l.c.l. .....lb. .07¼- —
snow, c.l.....lb. .06½- —
l.c.l. .....lb. .08 - —
soft, c.l.....lb. .05½- —
l.c.l. .....lb. .06½- —
Petroleum, crude, bulk, at wells, California, heavy grades..bbl. .93 - 1.01
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.20
Oklahoma-Kansas .....bbl. .85 - 1.25
Pennsylvania .....bbl. 1.31 - 3.00
Texas, Gulf Coast.....bbl. 1.06 - 1.86
North, North-Central.....bbl. 1.01 - 1.25
West .....bbl. .70 - 1.12
Panhandle .....bbl. 1.10 - 1.22
Wyoming .....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .18 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy....bbl. 1.10 - —
light .....bbl. 1.20 - —
diesel, tanks.....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .03½- —

Petroleum, fuel oil, furnace, at refinery, Group 3, No. 5, bbls. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2.....gal. .03¾- —
No. 6.....bbl. .90 - —
14-16 .....bbl. .97 - —
Pennsylvania, No. 1..gal. .06¾- .07⅞
No. 2.....gal. .06¾- .07⅞
No. 5.....gal. .06¾- —
bunker, Baltimore, Md.....bbl. 1.65 - 1.77
Boston, Mass.....bbl. 1.65 - 1.77
Charleston, Mass.....bbl. 1.60 - —
Houston, Tex.....bbl. .85 - .97
Jacksonville, Fla.....bbl. 1.60 - —
New Orleans, La.....bbl. .85 - .97
New York, N. Y.....bbl. 1.65 - 1.87
Norfolk, Va.....bbl. 1.65 - —
Philadelphia, Pa.....bbl. 1.65 - —
Portland, Me.....bbl. 1.65 - —
Port Arthur, Tex.....bbl. .85 - .97
Port Tampa, Fla.....bbl. 1.55 - —
Providence, R. I.....bbl. 1.65 - —
Savannah, Ga.....bbl. 1.60 - 1.77
Texas City, Tex.....bbl. .85 - .97
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles. gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco....gal. .11½- —
Willbridge, Ore...gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, benzol type, tanks. gal. .07⅞- —
toluol type, tanks.....gal. .07⅞- .07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-232 b.r., tanks, gal. .10½- —
198-200 b.r., tanks..gal. .10¼- —
246-397 b.r., tanks..gal. .10¼- —
312-408 b.r., tanks..gal. .09 - —
362-458 b.r., tanks...gal. .09 - —

Petroleum, mineral spirits, at refinery, East Coast, N. J., N. Y..gal. .10 - —
Group 3, tanks.....gal. .06½- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon, Baltimore.....gal. .12 - .13
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1630- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa.....gal. .12 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.).....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07¼- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06¾- —
tankwagons, Newark....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .123 - —
St. Louis.....gal. .1470- —

Petroleum, naphtha, high-solvency, aromatic, No. 1,[6] over 70% arom., tanks, f.o.b. Bayway, N. J..gal. .21½- —
No. 2,[6] over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 3,[6] tanks, same basis.. gal. .223 - —
No. 30,[6] tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .223 - —
No. 40, tanks, f.o.b. Wilmington, Cal..gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 386 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles...gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07¼- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1520- —
Newark (200 gal.)....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —
solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07¼- .07½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Petroleum, solvent, Stoddard (CS 8-53), at refinery:—
- California (f.o.b. San Francisco), tanks..gal. .11 - —
- East Coast, N. J., N. Y., tanks..gal. .09½- —
- Group 3, tanks.....gal. .09⅝- —
- Pennsylvania, western, tanks..gal. .07 - .07⅝
- tankwagon, Baltimore...gal. .13 - —
- Boston .....gal. .12 - —
- Chicago .....gal. .13½- —
- Detroit .....gal. .1580- —
- Milwaukee .....gal. .1440- —
- Minneapolis .....gal. .1420- —
- Newark .....gal. .11 - —
- New York.....gal. .11 - —
- Philadelphia .....gal. .11 - —
- Pittsburgh .....gal. .12½- —
- St. Louis.....gal. .1370- —
- Syracuse .....gal. .14 - —

Xylol solvent. See Xylol petroleum solvent

Phenobarbital 5-lb. cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —

Phenol,[5,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. lb. .10 - —
- l.c.l., same basis.....lb. .10⅝- —
- tanks, same basis.....lb. .09 - —

82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09⅝ .10½
- l.c.l., same basis.....lb. .10½- .10⅝
- tanks, same basis.....lb. .08⅝- .09¼

USP, dms., c.l., works, frt. equald..lb. .10½- —
- l.c.l., same basis.....lb. .11⅛- —
- tanks, same basis.....lb. .09¼- —

Phenolphthazein, USP, bbls., dms., 2,000 lbs. .85 - —
- smaller lots.....lb. .87 - .89

yellow, fib. dms., 2,000 lbs...lb. .80 - —
- smaller lots.....lb. .82 - .87

Phenothiazin, unmodified, fib. dms.. 2,000-lbs. shipt..lb. .82½- —
- smaller lots, same basis..lb. .87½- —

Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
- 100% solut., bots.....lb. 4.40 - 5.00

Phenylethyl acetate, cns.....lb. 4.00 - 5.00

Phenylethylphenyl acetate, bots., lb. 5.50 - 7.90

Phenylhydrazin, base, CP, bots.lb. 4.55 - —
- Hydrochloride, CP, bots., works. lb. 7.10 - —
- commercial, kgs., works....lb. 1.75 - —

Phloroglucinol, CP, fib. dms...lb. 13.75 -14.75
- tech., fib .dms.....lb. 12.00 -12.50

Phosgene, ton lots, works.....lb. .19 - —

Phosphate rock,[1,5] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., M.P.R. 240 provisions, bulk, f.o.b. car, mine, c.l..long ton. 2.00 - —
- 70%-68% b.p.l. M.P.R. 240 provisions, same basis.. long ton. 2.40 - —
- 72%-70% b.p.l., M.P.R. 240 provisions, same basis..long ton. 3.00 - —
- 75%-74% b.p.l., M.P.R. 240 provisions, same basis.. long-ton. 4.00 - —
- 77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.00 - —
- Entirely pebble 50c. per ton higher than above prices.
- finely ground 65.5%, M.P.R. 240 provisions, basis 30% P_2O_5 minimum.....short ton. 2.75 - —
- 68%, basis 31% P_2O_5 minimum..short ton. 3.00 - —
- 70% basis 32% P_2O_5 minimum..short ton. 3.25 - —

Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 6% l. & a., M.P.R. 240 provisions, same basis..long ton. 5.00 - —
- 72%-70% b.p.l., 5½% l. & a., M.P.R. 240 provisions, same basis..long ton. 5.50 - —
- refinery ground, same basis, long ton. 4.65 - —
- 30% P_2O_5, same basis..... short ton. 4.85 - —
- 31% P_2O_5, same basis..... short ton. 4.95 - —
- 32% P_2O_5, same basis..... short ton. 5.20 - —
- 33% P_2O_5, same basis..... short ton. 5.70 - —

Phosphate, defluorinated (see under D).

Phosphorus,[6] red amorphous, cs. lb. .40 - .44
- tins, export.....lb. .55 - —

Yellow,[6] dms.....lb. .25 - —
- cs .....lb. .23 - .25

Oxychloride,[6] cyls.....lb. .15 - .16

Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
- l.c.l., works.....lb. .13 - .14

Sesquisulphide,[6] cs.....lb. .38 - .42

Trichloride,[6] cyls.....lb. .15 - .16

Phthalamide, bbls., works.....lb. .35 - .40
- kgs., works.....lb. .45 - .50

Phthalic anhydride,[6] bags, bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
- l.c.l., same basis.....lb. .14 - —

Pichi leaves, bgs.....lb. .06 - .06¼

Picoline (see Alphapicoline and Betapicoline).

Picrotoxin, bots.....oz. 8.00 - —

Pilocarpine hydrochloride, USP, bots., vis. ..oz. 3.90 - 5.25
- Nitrate, bots., vis.....oz. 3.90 - 5.15

Pimento,[1] Jamaica, bgs.....lb. .27 - .27½
- Mexican (see Allspice, Mexican).

Pinkroot, bls.....lb. 1.90 - 2.00

Piperazine hexahydrate, bots..lb. 16.00 - —

Pitch, burgundy (see B).

Coaltar,[2] 160° m.p., bbls., c.l., works..ton. 19.00 - —
- l.c.l., works.....ton. 22.00 - —

Hardwood, paper bgs., works..lb. .03½- —

Linseed, dms.....lb. .05 - .05½

Petroleum (see Asphaltum, Mexican, Texas).

Pine, dms.....100 lbs. 3.25 - —
- stands, 200 lbs.....stand. 6.00 - —

Plaster of paris (see Gypsum).

Pleurisy root, Southern, bbls...lb. .20 - .23

Podophyllin, dms.....lb. 8.75 - 9.00

Pokeroot, bbls.....lb. .14 - .15

Polyamylnaphthalene, dms., works. lb. .25 - —

Pomegranate, root bark, bgs...lb. .80 - .85

Tree bark, bgs.....lb. 1.05 - 1.10

Poppy flowers, bales.....lb. .60 - .70

Poppy seed, Canadian, bgs....lb. .65 - .67
- domestic, blue, bgs.....lb. .70 - .71
- Dutch, bgs.....lb. .60 - .62
- Indian, white, bgs.....lb. .15 - .15½
- Turkish, bgs.....lb. No stocks
- cleaned, bgs.....lb. .45 - .46

Potash abietate.....lb. .08 - —

Acetate, USP, bbls., dms...lb. .28 - .30
- cns. .....lb. .31 - .33

Arsenite,[5] USP, solut., cbys., djns..lb. .13 - .15

Bicarbonate, USP, cryst., gran., bbls., dms..lb. .19 - .21

Bichromate,[6] bbls., cks., c.l., works..lb. .09¾- —
- l.c.l., works.....lb. .09¾- .10
- Potash bichromate in bgs., ½c. less.

Carbonate, calc., bbls., c.l., works..lb. .06½- —
- l.c.l., same basis.....lb. .06¾- —

Potash carbonate hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
- l.c.l., dms., same basis..lb. .05¾- —

USP, gran., bbls., dms.....lb. .14 - .20

powd., bbls., dms.....lb. .19 - .21

Caustic, flake, 88-92%, dms., c.l., works..lb. .07 - —
- l.c.l., works.....lb. .07½- —

45% basis, dms.....lb. .06¼- .06½
- tanks .....lb. .02⅞- —
- liquid, dms., c.l., works, frt. alld..lb. .03 - —
- l.c.l., dms., same basis..lb. .03½- —
- tanks, same basis.....lb. .02⅝- —

solid, 88-92%, dms., c.l., works..lb. .06¼- —
- l.c.l. .....lb. .06½- .06⅝

Chromate,[6] bgs.....lb. .24 - .28

Chlorate,[5,6] cryst., kgs., cl., works..lb. .11 - .11⅝
- l.c.l., works.....lb. .119 - .13

powd., dms., kgs., c.l., works. lb. .09⅝- .11⅝
- l.c.l., works.....lb. .119 - .13
- export, 1 to 19 tons, kgs., ex whse..lb. .18 - .20

Chloride, cryst., tech., 98%, bgs., kgs..lb. .08 Nom.

Citrate, USP, gran., bbls., dms. lb. .33½- .35½
- powd., 3c. per lb. higher.

Cyanide, dms., works.....lb. .55 - —

Fluoride, bbls.....lb. .34 - .40

Glycerophosphate, 75%, sol., cns., cbys..lb. 1.65 - 1.77
- dms., 1,000 lbs.....lb. 1.50 - —
- 100 lbs.....lb. 1.60 - —

Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85

Hydroxide, USP, sticks, dms.lb. .34 - .36

Hypophosphite, cns.....lb. .72 - .75

Iodate, bots., 5 lbs.....lb. 3.46 - —
- cns., 25 lbs.....lb. 3.35 - —

Iodide, bots. or cns.....lb. 1.44 - 1.48
- dms. .....lb. 1.35 - 1.38

Potash manure salt, dom.,[5] 22% K_2O, f.o.b. Carlsbad, N.M., unit-ton. .20 - —
- 22% K_2O, seasonal contract discounts to June 30, 1944, 12%.
- 25% K_2O, same basis... unit-ton. .21 - —

Metabisulphite, gran., bbls...lb. .19 - .21
- powd., bbls.....lb. .25 - —

Muriate, dom.,[6] 60-62-63%, K_2O, bulk, ex vessel, ports, unit-ton. .53½- —
- Seasonal contract discounts 15 June 30, 1944, 12%.
- granular, 50-52, K_2O unit-ton. .56 - —
- Russian,[5] offered from consignments afloat, subject to safe arrivals..unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price, basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Nitrate (see Saltpeter).

Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
- fine gran., bbls., dms.....lb. .28 - .31

Perchlorate,[6] kgs., works....lb. .09½- .11

Permanganate, tech., dms., works..lb. .19¾- .20¼
- USP, dms., works.....lb. .20½- .21

Prussiate, red, bbls., dms...lb. .50 - .53
- Yellow, bbls.....lb. .16 - .17

Ricinoleate, tech., bbls.....lb. .18 - —

Silicate, alkaline, lumps, bgs., works..lb. .07 - —
- glass, bgs., c.l.....ton. 290.00 - —
- l.c.l. .....100 lbs. 13.25 - —
- solution, 20° Be, ret. dms., c.l., works..100 lbs. 4.25 - —

Potash silicate, solution, 20° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.00 - —
- 1-4, works.....100 lbs. 5.50 - —

32° Be, ret. dms., c.l., works. 100 lbs. 4.75 - —
- l.c.l., 5 or more, works. 100 lbs. 5.50 - —
- 1-4, works.....100 lbs. 6.00 - —

40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
- l.c.l., 5 or more, works. 100 lbs. 6.50 - —
- 1-4, works.....100 lbs. 7.00 - —

Sulphate, NF, powd., bbls...lb. .15 - .21
- Prices on granular 4c. higher.
- tech., dom., bulk,[6] basis, 90-95%, K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton. 36.25 - —

Sulphocyanide, NF, dms.....lb. .70 - .78

Xanthate, dms., c.l.....lb. .12 - —

Potash-gold cyanide, 41% gold. bots., works..oz. 14.20 -14.95

Potash-magnesia sulphate, bulk,[6] min., 40%, K_2SO_4, 18.50% MgO, ex vessel, ports..ton. 26.00 - —

Potash-soda ferricyanide, dms., works..lb. .40 - .43

Potash-titanium oxalate, bbls., dms..lb. .45 - .50

Prickly ash bark, bls.....lb. .35 - .40
- Berries, bgs.....lb. .23 - .25

Prince's pine herb, bls.....lb. .40 - .50

Procaine hydrochloride, cns., 25 lbs..lb. 3.00 - —
- smaller lots.....lb. 3.25 - 3.75

Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —

Propyleneglycol, dms.....lb. .21 - —

Psyllium seed (see Fleaseed).

Pulsatilla, bls.....lb. .63 - .69

Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
- smaller lots.....lb. .03¾- .04

IMAGINE delivering .50 caliber machine gun cartridges to a battery of 105 mm. cannon! Somebody would catch the devil—and it wouldn't be the enemy!

YOU'VE got to have *dependable uniformity* in solvents too. Any variation in the type of solvent you are using for a given job can easily throw your entire production out of line.

That's one of the reasons for specifying SKELLYSOLVE. A given type of SKELLYSOLVE ordered tomorrow will be identical with the same type bought yesterday. You can depend on that. In refining SKELLYSOLVE, we depend on accurate, scientific, instrumented quality control that leaves nothing to guess and hurdles the element of human error.

SKELLY

SKELLYSOLVE
in the **OIL, PAINT** *and* **DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Pumice, grd., coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb. .05⅝- —
smaller lots.....lb. .03⅞- .04¼
Chi., ton lots.....lb. .04½- —
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .38 - .40
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum[3] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 c.c., dms., dlvd. gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd.gal. 8.53 - —
flowers,[4] coarse-grd. (g.f.p.), 0.9% pyrethrins, bbls., frt. alld..lb. .27 - .28
fine-grd., 0.9% pyrethrins, bbls. lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
powd., 0.5 pyrethrins, bbls., frt. alld..lb. .23 - —
Pyridin,[4] denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.68
refd., 2°, ret. dms., same basis..lb. .45½- .46
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.10.00 - —
325 mesh, same basis....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap, opaque, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China, white, ivory, cs., wks..lb. .13 - —
dense, white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, cs., works. lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
mixed colors, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —
Propyleneglycol, N.F., dms., c.l., f.o.b., Freeport, Tex., frt. equald., with Sc. Charleston, W. Va..lb. .15 - —
l.c.l., same basis.....lb. .16½- —
tanks .....lb. .14 - —

Q

Quassia chips, bls.....lb. .10 - .15
Quebracho extract,[4] solid, 63%, bgs., c.l., ex dock, in bond, based an ocean freight $12; insurance $1 per ton. Any difference for buyers account. Current freight $21.60; WSA insurance $3.75 per ton..lb. .04⅞- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
dissolved, 25% tan., bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
ground, bgs., c.l.....lb. .06½- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow leaves, bgs..lb. .12 - .13
Root, bgs.....lb. .11 - .12
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1,3] flasks (76 lbs. net), spot..flask.135.00 -140.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[4] NF V, cryst., cns.oz. 1.08 + .12½*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[4] NF, cns., 100 ozs...oz. .81 + .13½
Acetate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenate, cns., 100 ozs.....oz. 1.05 + .13½
Arsenite, cns., 100 ozs.....oz. 1.07 + .13½
Bisulphite, USP, cns., 100 ozs., oz. .69 + .13½
Citrate, cns., 100 ozs.....oz. .78 + .13½
Dihydrobromide, bots., 50 ozs., oz. .86 + .13½
Ethylcarbonate, USP, cns., 100 ozs..oz. 1.25 + .13½
Ferrocyanide, cns., 100 ozs..oz. 1.07 + .13½
Formate, cns., 100 ozs.....oz. 1.00 + .13½
Glycerophosphate, cns., 100 ozs.. oz. 1.20 + .13½
Hydrochloride, USP, cns., 100 ozs..oz. .76 + .13½
Hydrochlorosulphate, cns., 100 ozs..oz. .81 + .13½
Hydroiodide, cns., 100 ozs..oz. 1.05 + .13½
Hyposulphite, cns., 100 ozs..oz. 1.07 + .13½
Phosphate, NF, cns., 100 ozs.. oz. .90 + .13½
Salicylate, NF, cns., 100 ozs.. oz. .79 + 13½
Sulphate, USP, cns., 100 ozs.oz. .67 + .13½
Sulphocarbolate, cns., 100 ozs., oz. 1.05 + .13½
Tannate, USP X, cns., 100 ozs., oz. .63 + .13½
Valerate, NF IV, 100 ozs...oz. .99 + .13½
Tartrate, cns., 100 ozs.....oz. 1.03 + .13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[4] USP, cns..oz. .81 + .13½*
Surcharge; see note under Quinine.
Quinoline, dms., c.l., works...lb. .24½- .27½

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .52 - —
Rapeseed,[1] Argentine, bgs.....lb. No stocks
dom., dwarf, Essex, bgs...lb. .14 - .14½
Raspberries, dried, bls.....lb. .95 - 1.00
Red, alizarin lake,[3] bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.80
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast; prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium, lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .85 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works.. lb. 2.50 - —
Red, selenide, light, same basis, lb. 2.20 - —
works..lb. 1.50 - —
orange, bbls., 100-lb. lots, Carmine, 40, dms., 100 lbs., works..lb. 4.00 - —
smaller lots, works.....lb. 4.75 - 5.25
Crocus martis (see Red, purple oxide).
Dyes (see Dyes, red).
Eosin toner, bbls., works....lb. 1.35 - —
Firetoner, dom., bbls., wks..lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb. .07⅝- —
imp., English, all shades..lb. .12 - —
Lacquer, maroon, bbls., works, lb. 1 25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Litho toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1 20 - —
Red, maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.89 - —
smaller lots.....lb. 2.91 - —
Metallic, bbls., Pa. works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .09 - —
l.c.l., bbls.....lb. .09⅝- —
reduced, 85%, copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .05⅝- —
80% copperas oxide, bbls., same basis..lb. .08½- .09
Red, para,[3] toner concent., alizarin lake, kgs., works.. lb. .70 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine, Y, kgs., works..lb. 4.15 - —
Purple, lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. Lake, alizarin, kgs., works.lb. .55 - —
Spanish oxide, grade 1, c.l., bbls..lb. .04⅝- .07⅝
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
M.N.P.T. maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. .11 - .40
Venetian, 5%, bbls., works..lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02⅝- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .35 - .40
Quicksilver, bbls.....lb. 3.05 - 3.15
Red precipitate,[3] NF, powd., fib. dms..lb. 3.06 - 3.08
Red saunders wood, grd., bbls. lb. .35 - —
Resorcinol, tech., dms., frt. alld. E. of Miss..lb. .68 - .73
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .11 - .12
Rhubarb, whole, cs.....lb. .85 - 2.50
powd., bbls.....lb. .95 - 2.60
Riboflavin,[4] bots., 100 grams..kilo.280.00- —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43⅛- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't. lb. .42⅛- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls. .....lb. .45 - .50
Rosemary flowers, bls.....lb. 1.55 - 1.60
Leaves, Portuguese, bls.....lb. .09 - .09½
Spanish, bls.....lb. .14½- .15
Rosin, gum:—
B, dms.....100 lbs. 4.21 - —
D, dms.....100 lbs. 4.43 - —
E, dms.....100 lbs. 4.67 - —
F, dms.....100 lbs. 4.77 - —
G, dms.....100 lbs. 4.81 - —
H, dms.....100 lbs. 4.82 - —
I, dms.....100 lbs. 4.85 - —
K, dms.....100 lbs. 4.98 - —
M, dms.....100 lbs. 5.10 - —
N, dms.....100 lbs. 5.18 - —
W.G., dms.....100 lbs. 6.96 - —
W.W., dms.....100 lbs. 7.17 - —
X, dms.....100 lbs. 7.17 - —
Wood, F.F., dms.....100 lbs. 3.64 - 3.96
Rottenstone, bgs., c.l., mines.ton.25.00 - —
l.c.l., same basis.....ton.37.50 - —
Rue, bls.....lb. .75 - .80

S

Sabadilla seed, powd., bbls....lb. .20 - .31
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.50
Saffron, Mexican, bls.....lb. .70 - .75
Spanish, tins.....lb.35.00 -36.00
Safrol, cns.....lb. 1.35 - 1.50
Sage,[1] Cyprus, good, bls.....lb. .26 - .26½
fair, bls.....lb. .24 - .24½
Spanish, bls.....lb. .23 - .24
Sago flour, bgs.....lb. .05 - .05⅝

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for the protective packaging of HUMAN BLOOD PLASMA.

for forming moisture-vapor-proof cartons for PLASTER OF PARIS (bone setting).

for waterproof labeling of vials, ampules, bottles, etc.

for sterilization-proof sealing of bandages, cotton, etc.

for sizing surgical gauze.

for promoting the growth of life-saving PENICILLIN.

for making & sealing envelopes of powdered sulfa drugs.

for labeling molded plastic containers of malaria preventive.

for molding sulfa, aspirin, and other tablets.

for sealing & labeling immersion-proof shipping cases and liners.

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(No. 1 of a ser

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MEDICAL DEPARTMENT

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ARMY doctors, nurses, ambulance drivers, stretcher bearers . . . with utter disregard for their own personal safety . . . work tirelessly to soothe pain and save lives on the battlefronts.

Medical Supply Officers here at home procure what is needed to carry on . . . under the most difficult of conditions . . . this great work of mercy.

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INDIANAPOLIS, IND. · SAN FRANCISCO, CAL.

Salicin, bots., 5 lbs.....lb. No stocks
cns., 25 lbs.....lb. No stocks
Salol, gran., bbls., kgs.....lb. .96 - —
fib. dms.....lb. .92 - .93
powder, 10c. per lb. higher.
Salt, rock, bgs., c.l.....ton.14.20 - —
l.c.l., bgs.....ton.17.00 -18.00
vacuum, common, fine, bgs., c.l...ton.15.70 - —
l.c.l.....ton.19.40 -23.20
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 tons..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 tons.....100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, crystl., cns.....kilo.200.00 -210.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, Amer., bls..lb. .35 - .37
Honduras, bls.....lb. .45 - .50
Mexican, bls.....lb. .18 - .21
Sassafras bark, ord., bls.....lb. .35 - .40
select, bls.....lb. .60 - .65
Savory, dom., Calif., bls.....lb. .90 - .93
Spanish, bls.....lb. .51 - .52
Saw palmetto berries, bgs.....lb. .20 - .25
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .08 - .10
Schaeffer's salt, bgs.....lb. .46 - —
Scullcap, Eastern, bls.....lb. No stocks
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34 - —
Selenium, pwd., cs., 1,000 lbs...lb. 1.75 - —
cns., 10 lbs.....lb. 1.85 - —
Senega root, spot, bls.....lb. .90 - .96
Senna, Alex., half leaf, bls...lb. .22 - .28
siftings, bgs.....lb. .22 - .24
Tinnevelly, No. 1, bls.....lb. .16 - .16¼
2, bls.....lb. .11½- .12
3, bls.....lb. .10 - .10½
powd., bbls., bxs.....lb. .15 - .17
Pods, bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .94 - .85
Sesame seed,[1] Chinese, hulled, bgs..lb. .13½- .14
Indian, hulled, recleaned, bgs., lb. .19 - .20
natural, bgs.....lb. .11 Nom.
Shellac,[1,6] bonedry, bbls., 1,500 lbs..lb. .42¼- —
Boston.....lb. .43½- —
Chicago.....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500 lbs...lb. .48½- —
Boston.....lb. .49½- —
Chicago.....lb. .50 - —
Pacific coast.....lb. .52 - —
Bonedry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3), kgs., 3c. more.
D.C., U.S.O., Diamond I, bgs., lots of 100..lb. .4000- —
Garnet, bgs., lots of 100.....lb. .3890- —
Superfine, bgs., Boston, N. Y., lots of 100..lb. .3560- —
Chicago, lots of 100.....lb. .3710- —
Pacific coast, lots of 100...lb. .3900- —
T.N., bgs., Boston, N. Y., lots of 100..lb. .3550- —
Chicago, lots of 100.....lb. .3600- —
Pacific coast, lots of 100...lb. .3805- —
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Shortening, tcrs.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., lll., works, ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, bgs., c.l., same basis..ton.20.60 - —
l.c.l., same basis.....ton.35.00 -38.60
96-98%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., same basis..ton.20.00 - —
l.c.l., same oasis.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.13.50 - —
l.c.l., same basis.....ton.18.50 - —
140 mesh, bgs., c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.16.00 - —
Silicon tetrachloride, tech., dms., 55 gals., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- —
10 gals., works.....lb. .27 - —
Silver bullion.....oz. .44¾- —
govt. purchase, dom.....oz. .1111- —
govt. purchase,[1] foreign...oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Nucleinate, bots., dms.....oz. .308 - .358
Proteinate, bots., dms.....oz. .288 - .338
Simarubra, bark, bls.....lb. .52 - .55
Skunk cabbage root, bls.....lb. No stocks
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .70 - .75
Smalt, black, ctns.....lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .11¾- .12½
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .16 - .19
cut, dom., bls., bbls.....lb. .18 - .19
imp., bbls.....lb. .17 - .18
powd., bbls.....lb.
Soda acetate, anhyd., bbls., dlvd., lb. .08½- .10
flake, gran., powd., 60%, bbls., c.l., dlvd..lb. .05 - —
l.c.l., dlvd.....lb. .05½- .06
NF VII, bbls., dlvd.....lb. .09½- .10
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.80
Aluminate,[4] for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works, 100 lbs. 7.00 - —
l.c.l.....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd..:.lb. .15 - .15½
Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., same basis.....lb. .10¾- .11¼
Arsenite,[6] gray, dms., c.l., dealers, works..lb. .08¼- —
l.c.l., dealers, works....lb. .09 - .10
Soda, arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., dlvd., zone 1.100 lbs. 2.18 - —
2.....100 lbs. 2.33 - —
3.....100 lbs. 2.58 - —
4.....100 lbs. 2.98 - —
bbls., c.l., works.....100 lbs. 1.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
Soda ash, dense, 58%, bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l.....100 lbs. 1.13 - —
l.c.l., dlvd. zone 1..100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.45 - —
l.c.l., dlvd., zone 1.....100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 50%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., dlvd., zone 1..100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°. Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 93°, Ga., Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. N. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D. Tex. W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .43
USP, dms., 2 tons or more.lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l.....100 lbs. 2.05 - —
bgs., c.l., works.....100 lbs. 1.55 - —
l.c.l.....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l.....100 lbs. 2.60 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l.....100 lbs. 2.51 - —
kgs., c.l., works....100 lbs. 2.10 - —
l.c.l.....100 lbs. 2.76 - —
Bichromate,[6] spot, bbls., cks., c.l., works..lb. .07¾- —
l.c.l., works.....lb. .07¾- .07¾
Soda bichromate in bgs., ¾c. less.
Bifluoride, bbl., c.l., frt. alld. E..lb. .11¼- —
l.c.l., same basis.....lb. .12 - .14
kgs., l.c.l., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32°, bbls., c.l., works, 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
44°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, NF, gran., bbls., 500 lbs., works..lb. .27 - .30
fiber dms., works, 100 lbs., lb. .28 - .31
Cacodylate, 5-lb. bots., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrated soda sal)
Soda caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., zone 1, dlvd.....100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works.....100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works.....100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., same 1, dlvd.....100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash.
Chloride (see Salt).
Chlorate,[6] dom., crystl., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08¼
Chromate,[3,6] bbls., cks., c.l., works, frt. equald..lb. .08¾- —
l.c.l., works, frt. equald..lb. .08¾- .09¼
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms.....lb. .19½- .23½
USP gran., bbls.....lb. .24 - —
dms.....lb. .24 - .29
powd., bbls.....lb. .24½- —
dms.....lb. .24½- .25½
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhy., dms., dlvd.....lb. 12½- —

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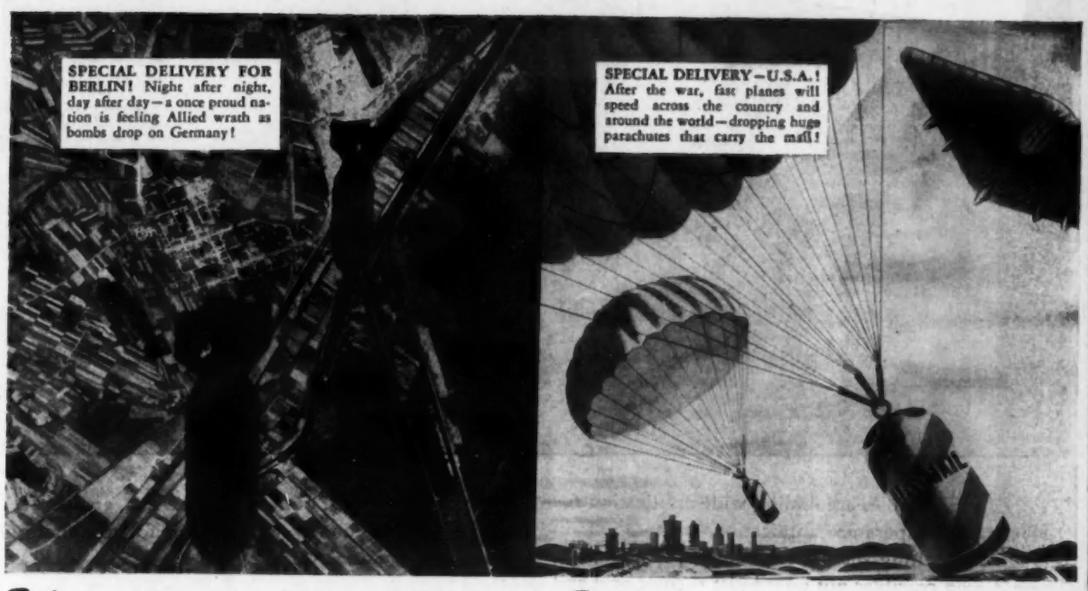
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SPECIAL DELIVERY—U.S.A.! After the war, fast planes will speed across the country and around the world—dropping huge parachutes that carry the mail!

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AMMONIUM CHLORIDE • CAUSTIC POTASH
MODIFIED SODAS • AMMONIUM BICARBONATE
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Soda fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works .....lb. .08 - —
95%, bbls., c.l., works..lb. .07¼- —
l.c.l., works .....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
smaller lots .....lb. 1.40 - 1.65
powdered, 5c. higher.
solution, cbys., cns.....lb. .52 - .90
Hydrosulphite, dms., frt. alld., lb. .17 - .18
Hydroxide, USP, sticks dms..lb. .14½- .26
Hypophosphite, NF, cns....lb. .67 - .70
Hyposulphite, cryst., bgs., c.l., works, frt. equald..100 lbs. 2.25 — —
l.c.l., same basis..100 lbs. 2.50 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 3.95
Soda hyposulphite in bbls., 20c. higher; in dms., 50c. higher.
Iodate, dms., jars.....lb. 5.40 - 5.45
Iodide, bots. .....lb. 2.53 - 2.57
dms., jars .....lb. 2.42 - —
Mandelate, dms. .....lb. 3.25 - 3.35
Metanilate, bgs. .....lb. .40 - —
Metasilicate,[6] anhyd., dms., c.l., works, frt. equald..... 100 lbs. 4.00 - —
l.c.l., same basis..100 lbs. 4.90 - 5.80
gran., bbls., c.l., works, frt. equald..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 3.00 - —
works .....100 lbs. 2.55 - —
Naphthionate, bbls. .....lb. .50 - —

Soda nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis.. ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons... 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equald..lb. .06¾- — West Coast ports..... 100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
l.c.l., same basis.100 lbs. 5.45 - 5.95
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bbls.....lb. .10 - .11
Perborate, NF, bbls., c.l., works..lb. .14¾- — l.c.l., works.....lb. .15¼- —
Pentachlorophenate briquets, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald..lb. .17 - —
kgs., works, frt. equald..lb. .19 - —
Peroxide, dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works... 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP, bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works, lb. .11½- .12

Soda phosphate, monobasic, anhydrous, bgs., c.l., works.. 100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic,[6] anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst., bgs., c.l., same basis..100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.40 - —
kgs., c.l., works..100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs., contracts, works..lb. .09¾- .10¼ spot .....lb. .10¾- —
bbls., contract, works....lb. .10 - .10¼ spot .....lb. .11 - —
Pyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald.... 100 lbs. 5.28 - 6.10
l.c.l., same basis...100 lbs. 5.40 - 6.60
bbls., c.l., wks., frt. equald., 100 lbs. 5.45 - 6.30
l.c.l., same basis...100 lbs. 5.60 - 6.60
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs..... .....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, bbls., dms., kgs..lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works..100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.

Soda sesquisilicate, dms., c.l., works..100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.80
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., same basis.....lb. .08 - .12
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt)
USP, cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., works. 100 lbs. 2.10 - 2.25
bbls., same basis.....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .33
powd., bbls.....lb. .30 - .31
Sulphocyanide, CP, dms.....lb. .58 - .66
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works..lb. .05½- — l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04¼- —
flake, 70-72%, dms., c.l., works..lb. .04½- — l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, stand cont. (125-250 lbs.).lb. .19 - .22
Solvent naphtha, dms., wks..gal. .31 - —
tanks, frt. alld. E. of Omaha. gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash, dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha. gal. .27 - —
Sorbitol,[6] com'l, dms., works..lb. .17¾- —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton.45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .19 - — 100-40,000 lbs., works...lb. .19¼- .19½ less than 100 lbs., works. lb. .23 - —
Sparteine sulphate, bots., cns..oz. 2.25 - 2.75
Spearmint leaves, bls.....lb. .45 - .47
Spikenard root, bls.....lb. .50 - .55
Spruce extract, reg., bbls., c.l., works..lb. .02½- — tanks, works.....lb. .01½- — pwd., super, bgs., c.l., wks.lb. .04½- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .35 - .38
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. .43 - .60
St. John's bread, edible, bls...lb. .17 - .19
Starch, corn, pearl, bgs..100 lbs. 3.46 - —
Chicago .....100 lbs. 3.10 - —
powd., bgs.....100 lbs. 3.56 - —
Chicago .....100 lbs. 3.20 - —
Potato, bgs., c.l .....lb. .06¾- — l.c.l. .....lb. .07½- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. No stocks
Wheat, thick boil, bgs.....lb. .05 - —
Starch iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .11 - .12
Stoneroot, bls.....lb. .07½- .08
storax, cs.....lb. 1.35 - 1.50
Stramonium leaves, bgs.....lb. .22 - .23
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .52 - .54
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .23 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots. .....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.20 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- — l.c.l., works.....lb. .08¼- .08¾
Oxalate, bbls.....lb. .07¼- —
Salicylate, bbls., kgs.....lb. 1.10 - —
dms. .....lb. 1.13 - —
Sulphate, nat., 92% min., air-floated, 300 mesh, c.l., works..ton.52.00 - — l.c.l., works.....ton.54.00 - —
Strontium-calcium sulphide, phosphorescent, works, frt. alld., lb. 2.50 - 2.65
Strophanthin, bots.....oz.30.00 -37.00
Strophanthus seed, Kombe, bgs. lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Strychnine, cryst., cns., 100 ozs. oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .55 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenite, cns., 100 ozs.....oz. .88 - —
Glycerophosphate, cns., 100 ozs. oz. .89 - —
Hydrochloride, cns., 100 ozs..oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, 100 ozs.....oz. .82 - —
Phosphate, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs. oz. .58 - —
powd., cns., 100 ozs.....oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazin, 100-lb. dms.....lb.11.50 - —
Sulphaguanidin, 100-lb. dms...lb. 5.50 - —
Sulphanilamide, bots.....lb. 1.35 - —
fib. dms.....lb. .90 - 1.00
Sulphapyridin, powd., bots., tins. lb. 5.00 - 5.30
Sulphathiazole, dms.....lb. 3.50 - —
smaller lots.....lb. 3.60 - 4.00
Sesquihydrate, prices same as sulphathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, bgs., c.l., works. l.c.l., works.....100 lbs. 2.00 - 2.15
bulk, mines, contracts..... long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs... 100 lbs. 1.65 - —
c.l., works..100 lbs. 2.00 - —
l.c.l., works....100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works.... 100 lbs. 2.00 - —
l.c.l., works....100 lbs. 2.95 - 3.10

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Sulphur, refined, light, bgs., c.l., works..100 lbs. 2.70 - —
l.c.l., works....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 35c. higher.
USP, bgs., c.l., works.100 lbs. 3.05 - —
l.c.l., works....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l., works.....lb. .04 - .04½
10-gal. dms., c.l., works....lb. .07 - .07½
l.c.l. .....lb. .08 - .08½
Dioxide, liquid, cyls., works.lb. .07 - .08
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - .06
refrigeration, cyls., works.lb. .13 - .21
multi-unit cars, works..lb. .06½- —
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac berries, bgs.....lb. .12 - .18
extract, No. 1, bbls.....lb. .08 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....No stocks
Sunflower seed, Calif., large, bgs. lb. .24 - .24½
medium, bgs.....lb. .23 - .23½
poultry, bgs.....lb. .21½- .22
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, prodection points, Balto..unit-ton. .64 - —
Florida .....unit-ton. .50 - .58
22%, a.p.a., bulk, prod. points..unit-ton. .55 - .54
deliver points, Ariz., Calif., Colo., Ida., Kans., Nev., N.M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% and more a.p.a., bulk, producing points, Florida..unit-ton. .62 - —
South Carolina..unit-ton. .65 - —
Tennessee .....unit-ton. .74 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.

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Talc, grd., dom., aluminum-flake type, bgs., c.l., works. ton.14.50 -24.50
l.c.l., works.....ton.16.50 -30.00
Calif., bgs., c.l., works..ton.17.50 -45.00
N.Y., fibrous, coarse, off-color, bgs., c.l., works..ton.13.00 - —
fine, 325 mesh, 93-94%, bgs., c.l., works..ton.13.00 -18.00
96-99.5%, bgs., c.l., wks. ton.15.25 -19.25
99.55-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works. ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp., Canad., bgs., c.l....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose.....lb. .08¼- —
sulphonated, 35% (24% fat), dms., c.l..lb. .06¾- —
50% (45% fat), dms., c.l...lb. .06¾- —
50% (48% fat), dms., c.l...lb. .07¾- —
Tallow, sulphonated, l.c.l., 1c. higher.
Tamarind, bbls.....lb. .14 - .15
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour,[1,5] Brazil, bgs...lb. .07¼- —
Java, bgs.....lb. .07¼- —
Tar acid oil,[1,5] 10%, dms., c.l., works. gal. .27½- —
l.c.l., works.....gal. .29½- —
25%, dms., c.l., works....gal. .30 - .31½
l.c.l., works.....gal. .32 - .33½
Pine, retort, dms., c.l., dlvd. East..gal. .32¾- —
l.c.l., f.o.b. works.....gal. .29¾- —
tanks, dlvd. East.....gal. .27 - —
tanks, East.....gal. .24½- —
Tars, powd.....ton.145.00 Nom.
Tarragon herb, bgs.....lb. 1.50 - 1.70
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
South..lb. .24½- —
l.c.l., South.....lb. .25 - .25½
USP, cryst., bbls., dms....lb. .70 - .75
Terpin hydrate, com'l, bbls., c.l., powd., bbls., dms.....lb. .75 - .80
Terpineol, com'l dms., c.l., South. lb. .13½- —
l.c.l., South.....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .35 - .50
alpha (see A).
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinylglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .19 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks.lb. .06 - .06½
Tetrachlorethylene, N.F., VI, 55-gal. dms., works..lb. .20 - .21½
smaller dms., works.....lb. .23½- .25½
tech. (see Perchlorethylene).
Tetralin, dms.....lb. .19 - —

Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works..lb.12.50 - —
Theobromine,[1,5] makers, primary distrib., dms., 25-lb. lots..lb. 2.80 - —
smaller lots.....lb. 2.90 - 3.00
Thiamine nydrochloride,[5] bots., dms., 100 grams..kilo.200.00- —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CF, dms.....lb. .55 - .56
Thorium nitrate, cs., works....lb. 2.00 - —
Thyme,[1] California, French-type, bls..lb. 1.60 - 1.70
Morocco, bls.....lb. .21 Nom.
Spanish, bls.....lb. .22 - .23
Thymol, cns.....lb. 2.40 - 2.75
Iodide, bots.....lb. 3.88 - 4.19
dms. .....lb. 3.40 - 3.80
Tikitiki (see Rice bran).
Timbo root,[2,6] (see Cube root).
Tin chloride, anhydrous.....lb. No stocks
Crystals, bbls., bgs.....lb. No stocks
Metal,[1,4] Straits.....lb. .53 - —
Oxide, bbls.....lb. No stocks
Tetrachloride, anhyd., dms., works..lb. .31 - .33

Titanium dioxide,[1,5] chalk resist-anc. bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15½- —
smaller lots, dlvd....lb. .15½- .15¾
nonchalking,[5] bgs., c.l., dlvd. .....lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾- —
smaller lots, dlvd....lb. .17 - .17¼
plain,[5] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾- —
smaller lots, dlvd....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
calcium base,[5] bgs., c.l., dlvd., lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
calcium-rutile base,[5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
magnesium base,[5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls. ¼c. higher; Pac. cst., ¼c. higher, c.l., dlvd., l.c.l., ex whse.

Tetrachloride, CP, dms., works, 55-gal..lb. .37 - —
smaller pkgs. works.....lb. .65 - 1.25
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. .80 - .85
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
mixed, dms.....lb. .26 - —
Toluol[5] (toluene), 2° indus., dms., return..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West, Minnesota, Colo...gal. .28 - —
1° nitration, dms., return..gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West, Minnesota, Colo...gal. .29½- —
Tonga, 30% bark and vine, bbls.lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 2.80
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,5] USP XII, 100 ozs., cs. .52 - —
Triacetin, dms.....lb. .34 - —
Triamyl borate, dms., works...lb. .33 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .46
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., same basis.....lb. .06½- —
tanks .....lb. .07½- —
Trichloroethylene,[5] dms., c.l., works, frt. alld. Zone 1..lb. .06 - —
Zone 2, same basis.....lb. .06½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene l.c.l. prices, ½c. higher. Zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N.J., N. Y., N.C., Ohio, Pa., R.I., Tenn., Vt., Va., W. Va., Wis., Omaha, K.C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N.D., Okla., S.C., S.D.; (3) Col., Mont. (E), N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[5] CP, cns., works..lb. .43½- .54¼
dms., c.l., dlvd.....lb. .37½- —
l.c.l., dlvd.....lb. .40½- —
tech., cns., works.....lb. .38½- .45¼
dms., c.l., dlvd.....lb. .35 - .51
l.c.l., dlvd.....lb. .35½- .51¼
tanks, dlvd.....lb. .34 - .50
Triethanolamine,[5] dms., c.l., works..lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethyl phosphate, dms.....lb. .46 - —
Triethylamine, dms., works..lb. 1.16 - —
Triethyleneglycol[5] dms.....lb. .26 - —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[5] bbls....lb. .31 - .33
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —

Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,4] (see Derris root).
Tungsten metal, powd.,[5] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Aleppey, bgs..lb. .12 - .12½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, dms.....gal. .90 - .93
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist., dms.....gal. .77 - .80
tanks .....gal. .72 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports. ton.57.40 - —
Urea-ammonia liquor, 45% N., tankcars, c.l., works or A. or G. ports..ton.121.58 - —
37% N. (insoluble), same basis. ton.127.00 - —
Uva ursi leaves, bls.....lb. .22 - .23

—*Continued on page 47*

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., returnable black iron dms., f.o.b. cars, destination, zone 1..lb. .0723- —
l.c.l., lots of 10 dms., same basis..lb. .0847- —
single dms., same basis....lb. .0947- —
smaller lots, same basis...lb. .1447- —
Aroclors, distilled, dms., c.l. works..lb. .18 - —
ton lots, works.....lb. .18½- —
single dms., works.....lb. .19 - —
undistilled, dms., c.l., works..lb. .15½- —
ton lots, works.....lb. .16 - —
single dms., works.....lb. .16½- —

B

Bakelite, 100% paraphenyl phenol resin, pale, non-heat hardening, BR-254, non-ret., bbls., 30,000 lbs., works.....lb. .33 - —
15,000 lbs., works...lb. .33½- —
5,000 lbs., works...lb. .34 - —
pale, non-heat hardening, BR-9432, non-ret. bbls., 30,000 lbs., works..lb. .31 - —
15,000 lbs, works.....lb. .31½- —
5,000 lbs., works...lb. .32 - —
BR-4036, non-ret. bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works...lb. .37½- —
5,000 lbs., works...lb. .38 - —
dark, non-heat hardening, BR-1329, non-ret. bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works...lb. .29½- —
5,000 lbs., works...lb. .30 - —
BR-9476, non-ret, bbls., No. 250, 30,000 lbs., works.. lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
pale, heat-hardening, BR-3360, non-ret. bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works...lb. .36½- —
5,000 lbs., works...lb. .37 - —
BR-14634, non-ret. bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works...lb. .30½- —
5,000 lbs., works...lb. .31 - —
BR-10282, non-ret. bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .32½- —
5,000 lbs., works...lb. .33 - —

Phenolic dispersion resins, BK-3962X, non-ret. bbls., 30,000 lbs., works..lb. .277 - —
15,000 lbs., works...lb. .282 - —
5,000 lbs., works...lb. .287 - —
XK-16624, non-ret. bbls., 30,000 lbs., works..lb. .29½- —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works...lb. .33½- —
XK-16,700, ret. dms., A, No. 400, 30,000 lbs., works.. lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
oil modified, BR-302, non-ret. bbls., 30,000 lbs., works..lb. .346 - —
15,000 lbs., works...lb. .351 - —
5,000 lbs., works...lb. .356 - —
resin baking types, BV-1000, ret. dms., dm. charges not included, 30,000 lbs., works..lb. .30 - —
15,000 lbs., works...lb. .30½- —
5,000 lbs., works...lb. .31 - —
BV-3966, ret. dms., dm. charges included, 30,-000 lbs., works..lb. .30 - —
15,000 lbs., works...lb. .30½- —
5,000 lbs., works...lb. .31 - —
XV-16607, ret. dms., dm. charges included, 30,-000 lbs., works..lb. .22 - —
15,000 lbs., works...lb. .22½- —
5,000 lbs., works...lb. .23 - —
XV-16,716, ret. dms., B, No. 450, 30,000 lbs., works.. lb. .23½- —
15,000 lbs., works.....lb. .24 - —
5,000 lbs., works.....lb. .24½- —
phenolic lacquer resins and solutions, XR-3180, non-ret. dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .45½- —
5,000 lbs., works...lb. .46 - —
XR-4857, non-ret. dms., 30,-000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .45½- —
5,000 lbs., works...lb. .46 - —
XJ-10433, ret. dms., dm. charges not included, 30,000 lbs., works..lb. .37 - —
15,000 lbs., works...lb. .37½- —
5,000 lbs., works...lb. .38 - —
BJ-15408, non-ret. bbls., 30,-000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
BR-9366, non-ret. bbls., 30,-000 lbs., works..lb. .18½- —
15,000 lbs., works...lb. .19 - —
5,000 lbs., works...lb. .19½- —
glycerine reactive, BR-10025, non-ret. bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works...lb. .28¼- —
5,000 lbs., works...lb. .29 - —
resin modified, BR-2963, non-ret. bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works...lb. .22½- —
5,000 lbs., works...lb. .23 - —
BR-11504, non-ret. bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works...lb. .18½- —
5,000 lbs., works...lb. .19 - —
BR-11544, non-ret. bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works...lb. .18½- —
5,000 lbs., works...lb. .19 - —
C-9 resins, solid types, BR-13202, non-ret. bbls., 30,000 lbs., works..lb. .15 - —
15,000 lbs., works...lb. .15½- —
5,000 lbs., works...lb. .16 - —
XR-13200, non-ret. bbls., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works...lb. .27½- —
5,000 lbs., works...lb. .28 - —
liquid types, BR-14590, non-ret. bbls., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works..lb. .26½- —
5,000 lbs., works..lb. .27 - —
XR-15780, non-ret. bbls., 30,000 lbs., works..lb. .34 - —
15,000 lbs., works...lb. .34½- —
5,000 lbs., works...lb. .35 - —
XR-16640, non- ret. bbls., 30,000 lbs., works..lb. .34 - —
15,000 lbs., works...lb. .34½- —
5,000 lbs., works...lb. .35 - —
lacquer types, XJ-16580, ret. dms., charges included, 30,000 lbs, works.lb. .26 - —
15,000 lbs., works.lb. .26½- —
5,000 lbs., works.lb. .27 - —

WAR RESINS

PROMPT SHIPMENTS CAN BE MADE

GOVERNMENT SPECIFICATIONS		"S & W" RESINS
HOLABIRD TAC—ES680a Alkyd.		AROPLAZ 1323 Solution
JEFFERSONVILLE Q.D. J. Q. D. No. 242	Duck Coating-alkyd-hard resin combination	AROCHEM 605 and AROPLAZ 1142 Solution
MARITIME MC-52-A-1 Red lead Alkyd. . . .		AROPLAZ 1328 Solution or AROPLAZ 1244 Solution
NAVY 52 R 13 (Int.) Alkyd.		AROPLAZ 1240 Solution
NAVY 52 R 11 Pure Phenoli.		AROFENE 755

THE COMPLETE RESIN LINE
"S & W" ESTER GUM — all types.
CONGO GUM — raw, fused and esterified.
AROPLAZ — alkyds.
AROFENE — pure phenolics.
AROCHEM — modified types.
NATURAL RESINS — all standard grades.

Manufactured under rigid laboratory and plant controls to insure exacting performance and uniformity of composition and constants.

STROOCK & WITTENBERG
Division of U. S. Industrial Chemicals, Inc.
60 East 42nd Street New York 17, N.Y.

OPD—2-7-1944

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GIVES YOU THESE IMPORTANT

PETROLEUM DERIVATIVES

Oxidizing and Polymerizing Type Resins — Hydrocarbon resins of high iodine number for air-dry and baked coatings. When used in combination with oil and baked, they form hard, durable, heat-resistant coatings which protect underlying surfaces from the corrosive action of chemicals, salt water and weathering. Compatible with all drying oils, their unique properties make possible the use of shorter oil length vehicles and accelerates drying time of slower oils.

Non-oxidizing and Non-polymerizing Type Resins—Resins of low iodine number for use in acid and alkali-resistant varnishes, heat-resistant coatings, waterproofing, rubber compounds and other products of a similar nature.

Aromatic Solvents—By converting petroleum derivatives of "straight chain" structure to "closed chain" or "ring" structure, Velsicol chemists have greatly increased aromaticity, with accompanying increase in solvent properties. Exceptionally good thinners for synthetic enamels and lacquers to increase flow, compatibility and assure good leveling.

Insect Toxicants and Repellents—Synthetic materials of petroleum origin, used as active ingredients in cattle sprays and household insecticides. They also activate and extend natural and synthetic toxicants in formulations for agricultural sprays and dusts.

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VELSICOL *Corporation*

GENERAL OFFICES: 120 EAST PEARSON STREET, CHICAGO

VELSICOL

PLANT: MARSHALL, ILLINOIS

Bakelite, lacquer types, XR-15840, non-ret. bbls., 20,000 lbs., works..lb. .34 - —
5,000 lbs., works...lb. .35 - —
Beckacite, 1100 M-K, 1112-WGN, c.l..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
1102, M-K, c.l.....lb. .12 - —
l.c.l., same basis.....lb. .13 - —
1116, K-1, 1123 M-K, l.c.l., same basis..lb. .14½ - —
1124, M-K; P-306, M-K, c.l. lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
P-67, M-I, c.l.....lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
P-310-A, M-K; P-370, M-K, c.l..lb. .14 - —
l.c.l., same basis.....lb. .14½- .15
P-386, WG-N, c.l.....lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
P-405, N-K, c.l.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-406, M-I, c.l.....lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
1110, N-M, c.l.....lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
IIII WG-N, No. 1120, M-K, l.c. lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
Beckopol, 1400 M-K, c.l.....lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
solid, No. 18, 4-5 (80% M.S.), c.l..lb. .26 - —
l.c.l. same basis.....lb. .27 - .28
No. 24, 4-5L (80% toluol), c.l. lb. .33 - —
l.c.l., same basis.....lb. .34 - .35
No. 36, 4-5 (60% toluol), c.l. lb. .38 - —
l.c.l., same basis.....lb. .39 - .40

C

"Cumar" resin, AX, non-ret. drums..lb. .06¼- —
BX .....lb. .06¼- —
CX, net weight.....lb. .061 - —
DX, gross weight.....lb. .05¼- —
EX, gross weight.....lb. .05¾- —
FX, gross weight.....lb. .05¾- —
MH, col. 1.....lb. .11¾- —
1½-2 .....lb. .10¾- —
2¼-3½ .....lb. .09¾- —
3 .....lb. .06½- —
MS .....lb. .10¾- —
P 10°-95° C., col. 2½ and darker, lb. .10¾- —
RH .....lb. .10¾- —
RS .....lb. .10¾- —
V col. ½.....lb. .12¾- —
1 .....lb. .11¾- —
1½-2 .....lb. .10¾- —
2½ and darker.....lb. .09¾- —
W col. ½.....lb. .13½- —
1 .....lb. .12¾- —
1½-2 .....lb. .11¾- —
2½ and darker.....lb. .10¾- —

All "P" grades with melting point below 50 degrees centigrade, and grades AX, BX and CX are shipped in steel drums, with the three last-mentioned grades reckoned on a net weight basis. All other grades are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, dms., c.l., dlvd..lb. .15½- —
l.c.l. .....lb. .16 - .16½
B, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
E, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- .17
H-1, c.l., dlvd.....lb. .19 - —
l.c.l. .....lb. .19½- —
PV, c.l., dlvd.....lb. .16¾- —
l.c.l. .....lb. .17¼- —
11, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- —
22, c.l., dlvd.....lb. .13 - —
l.c.l. .....lb. .13½- —
22-B, c.l., dlvd.....lb. .10½- —
l.c.l. .....lb. .11 - —
33, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
44, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
44B, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .15½- .16
55, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - .16½
562, c.l., dlvd.....lb. .16½- —
l.c.l. .....lb. .17 - —
640-N, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
660-N, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- —
750, any quantity, dlvd.....lb. .15 - —
850, c.l., dlvd.....lb. .17 - —
l.c.l. .....lb. .17½- .18
1800, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
1825, c.l., dlvd.....lb. .17½- —
l.c.l. .....lb. .18 - .18½
2185, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
2195, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16½- .17
2600, c.l., dlvd.....lb. .18 - —
l.c.l. .....lb. .18½- —
2633, c.l., dlvd.....lb. .14½- —
l.c.l. .....lb. .15 - —
2725, c.l., dlvd.....lb. .16 - —
l.c.l. .....lb. .16 - .17
2775-BS, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16
4040, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- .16

F

Flexalyn solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1222- —
l.c.l., 10 dms., same basis..lb. .1297- —
single dms., same basis..lb. .1447- —
smaller lots, same basis..lb. .1947- —
C solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1147- —
10 dms., same basis.....lb. .1222- —
single dms., same basis...lb. .1372- —
smaller lots, same basis...lb. .1872- —

G

G, resin, dms., gross weight, works..lb. .08 - —
Guai-a-phene, dms. (dm. deposit $6.00), works..gal. 2.47 - —
4 gals. or multiples, glass jars, 4 jars in each paper carton, works..gal. 2.62 - —
1-3 gals., cns., works....gal. 2.82 - —

H

Hercolyn (hydrogenated methyl abietate), returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1122- —
Hercolyn, l.c.l., lots of 10, same basis..lb. .1247- —
single dms., same basis...lb. .1347- —
less lots, same basis....lb. .1847- —
Hydrogum, P-190 WW-WG, c.l.. lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½

K

Kadox (zinc oxide), East of Pacific Coast:—
Nos. 15, 17 and 72, bgs., c.l., dlvd. .....lb. .07¼- —
Nos. 15, 17 and 72, bbls., c.l., dlvd. .....lb. .07½- —
l.c.l., dlvd., bgs.....lb. .07½- —
l.c.l., dlvd., bbls.....lb. .07¾- —
No. 25, bgs., c.l., dlvd....lb. .08½- —
bbls., c.l., dlvd.....lb. .09¾- —
l.c.l., bgs., dlvd.....lb. .08¾- —
l.c.l., bbls., dlvd.....lb. .09 - —
Pacific Coast prices ½c. per lb. higher; l.c.l. prices ex warehouse.
Kopol, 500, esterfied, 23, D-B, c.l. lb. .22 - —
501, fused, 21, c.l.....lb. .20 - —
l.c.l. .....lb. .20½- .21

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
l.c.l., 10 dms., same basis..lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
83, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —

Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.

M

Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
150 mesh, containers extra, c.o., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb. .14¾- —
190, dms., c.l., dlvd.....lb. .18¾- —
200, dms., c.l., dlvd.....lb. .20¾- —
fatty acid, 3R, dms., c.l., dlvd., lb. .14¾- —
17, dms., c.l., dlvd.....lb. .12¾- —
19, dms., c.l., dlvd.....lb. .16¾- —

Neo-fat prices are 1c. per lb. higher in all States west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma. Drums in all instances are returnable.

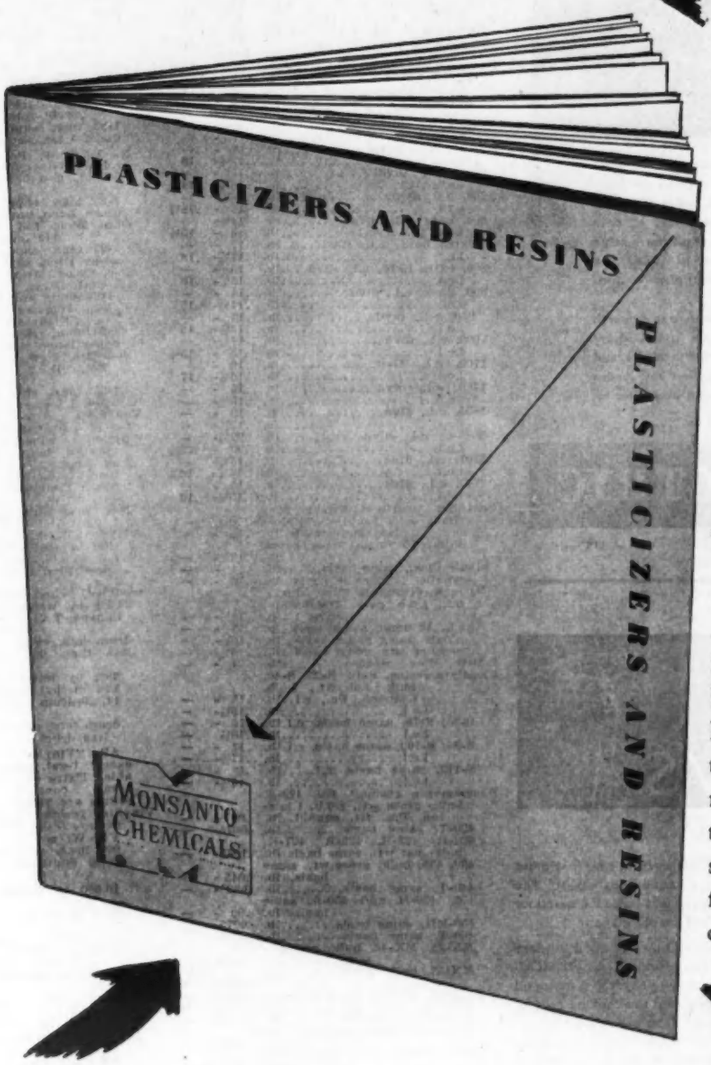
Nevillac, pale, hard, dms., works, lb. .19 - —
color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color, 2-½-4, melting point 65-75°C., same basis.. lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-482 same basis.....lb. .23 - —
Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13½- —
R-3, nevindene, col. 1, dms., works..lb. .12½- —
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- —
R-6 nevindene, col. 2½-3½, dms., works..lb. .10½- —
R-7, N.P.S., col. below 2, 4ms., works..lb. .12¾- —
R.S., N.P.S., col. below 2, dms., works..lb. .13½- —
R-9, hard, col. ½, dms., works..lb. .12¾- —
R-10, hard, col. 1, dms., works..lb. .11¾- —
R-11, hard, col. 1½-2, dms., works..lb. .10¾- —
R-12, hard, col. 2½-3½, dms., works..lb. .09¾- —
R-13, medium, col. ½, dms., works..lb. .12¾- —
R-14, medium, col. 1, dms., works..lb. .11¾- —
R-15, medium, col. 1½-2, dms., works..lb. .10¾- —
R-16, medium, col. 2½-4, dms., works..lb. .09¾- —
R-16A, medium, col. 7-10, dms., works..lb. .08½- —
R-17, medium, soft, col. 3½-8, dms., works..lb. .10¾- —
R-19, medium soft, col. 3½-8, dms., works..lb. .10½- —
R-21, soft, col. 3½-8, dms., works..lb. .10¾- —
R-22, special, soft, col. 3½-8, dms., works..lb. .10¾- —
R-27, medium soft, col. 1, dms., works..lb. .13¾- —
R-28, medium soft, col. 1½-2, dms., works..lb .12¾- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10¾- —
465, 110-125° C., dms., gross weight, Pittsburgh..lb. .03½- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevtex, 10, returnable dms., works..lb. .08 - —
90, returnable dms., works.. lb. .20 - —

Nubs, 1, 80-95° C., dms., gross weight, works..lb. .0290- —
2, 100-125° C., dms., gross weight, works..lb. .0290- —
3x, 135-150° C., dms., gross weight, works..lb. .04½- —

Nuodex drier, cobalt, 6%, 400-lb. pkgs, works..lb. .31½- —
10½%, 100-lb. pkg.....lb. .52 - —
11½%, 100-lb. pkgs.....lb. .57 - —
Iron, 6%, 400-lb. pkg.....lb. .15½- —
11%, 100-lb. pkgs.....lb. .26 - —
Lead, 24%, 450-lb. pkgs...lb. .14½- .15½
32%, 450-lb. pkgs.....lb. .18¾- —
34%, 100-lb. pkgs.....lb. .19½- —
40%, 100-lb. pkgs.....lb. .23 - —
Lead, 30%, cobalt, 3%, 150-lb. pkgs..lb. .32 - —
30%, manganese, 3%, 150-lb. pkgs..lb. .25 - —



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Monsanto Chemical Company, Organic Chemicals Division,
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GLYPTAL

ALKYD RESINS IN WAR SERVICE

The same laboratory controls and manufacturing processes which have assured the high quality of G-E Glyptal Alkyd Resins for years are today guiding the development of new solutions for the war service. And these same rigid controls will continue to guide the development and manufacturing of new products in the peace to come.

Out of the new developments our research laboratories are making for our armed forces today will come new peace-time products, and G.E. will continue to be a pioneer and leader in producing Alkyd Resins and Solutions for paint formulations.

V ALL OUT FOR VICTORY!

YET, PLANNING FOR THE PEACE TO COME.

GENERAL ELECTRIC

Durez RESIN NEWS

Durez 550 Resin

Long known for the many desirable properties conveyed to enamels, especially whites, Durez 550 continues to be in demand for many war and essential civilian finishes. In interior and exterior enamels, both white and colored, the resin gives high initial gloss and retention of gloss on aging, flexibility, water resistance, and durability.

Coatings based on Durez 550 Resin have a wide field of application including cable and wire insulation, high dielectric coatings, food processing equipment and machinery finishes, sanitary protective coatings, and many others. Sanitary coatings made with Durez 550 are odorless, tasteless, non-toxic, and resist food, fruit acids, and water.

Durez 550 Resin should be used in conjunction with high melting resins such as Durez 220 and 219 for best results. For most purposes the use of 15% to 30% is sufficient, although higher percentages are used for special purposes.

In addition to its complete compatibility with drying oils, Durez 550 is also compatible with cellulose derivatives and vinyl copolymers. It is completely soluble in all the commonly used hydrocarbon solvents, turpentine, esters, ketones, and alcohol.

Maritime Spar Varnish

The V-50826 "B" formulation which has been our recommendation for Maritime Specification 52-MC-7 has recently been modified and is now known as V-50826 "C". The current formula remains basically the same as the original, using straight linseed oil and Durez 220. The present method of cooking insures low acidity in the finished varnish and compatibility with zinc oxide. Large plant batches can be made without difficulty being encountered with acidity. The method and formula can be adjusted to use either light or heavy bodied linseed oil.

Dehydrated castor oil may be used in place of linseed in making a varnish for 52-MC-7. Formula V-50920 uses Z-3 dehydrated castor oil with Durez 220 Resin, and the cooking procedure follows the general lines of the V-50826 "C". The dehydrated castor oil varnish is slightly lower in cost than the linseed oil type due to the fact that the oil does not require long kettling to give desired body in the finished varnish. The production is consequently much faster and loss is appreciably lower.

E-TT-V-121a

The latest emergency specification for spar varnish, dated February 10, 1943, allows a total drying time of 120 hours as against a 72-hour drying time allowed by the specification dated August 28, 1942. A straight linseed oil varnish made with a combination of Durez 219 Resin and ester gum, and covered by number V-50928, meets all requirements of the specification including dry, flexibility, and water resistance. A refined oil of the fast bodying type is used. Modifications to use bodied linseed or a proportion of dehydrated castor oil can readily be made.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
132 Walck Rd., North Tonawanda, N. Y.

DUREZ
RESINS THAT FIT THE JOB

Nuodex drier, manganese, 6%, 400-lb. pkgs.	lb.	.16½ - —
10½%, 100-lb. pkgs.	lb.	.27½ - —
Zinc, 8%, 400-lb. pkgs.	lb.	.16½ - —
10%, 400-lb. pkgs.	lb.	.19½ - —
12%, 100-lb. pkgs.	lb.	.23 - —
All prices are divd., east of Denver.		
P		
Paradene, No. 1, 75-90° C., dms., gross wt., works.	lb.	.05½ - —
2, 100-124° C., dms., gross wt., works.	lb.	.06½ - —
3, 125-140° C., dms., gross wt., works.	lb.	.06¾ - —
Paradene prices are freight equalized with Philadelphia, Pa.		
Paradura resin, grade AV, 800-lb. bbs., c.l., divd.	lb.	.26 - —
l.c.l.	lb.	.29 - .30
C, c.l., divd.	lb.	.33 - —
l.c.l.	lb.	.34 - .35
10-P, c.l., divd.	lb.	.35 - —
l.c.l.	lb.	.36 - .37
46, c.l., divd.	lb.	.22½ - —
l.c.l.	lb.	.23 - .23½
273, c.l., divd.	lb.	.23 - —
l.c.l.	lb.	.24 - .25
367, c.l., divd.	lb.	.35 - —
l.c.l.	lb.	.36 - .37
540, c.l., divd.	lb.	.35 - —
l.c.l.	lb.	.36 - .37
Paranol resin, extra hard, No. 1, 300-lb. bbls., c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½ - .16
Extra hard, No. 3, c.l., divd.	lb.	.14 - —
l.c.l.	lb.	.14½ - .15
Hard, No. 1, c.l., divd.	lb.	.13½ - —
l.c.l.	lb.	.14 - —
No. 3, c.l., divd.	lb.	.12½ - —
l.c.l.	lb.	.13 - .13½
25, c.l., divd.	lb.	.12½ - —
l.c.l.	lb.	.13 - .13½
26, light, c.l., divd.	lb.	.13 - —
l.c.l.	lb.	.13½ - —
54-E, c.l., divd.	lb.	.16½ - —
l.c.l.	lb.	.17 - —
100, c.l., divd.	lb.	.17 - —
l.c.l.	lb.	.17½ - .18
105-B, c.l., divd.	lb.	.13 - —
l.c.l.	lb.	.13½ - .14
200, c.l., divd.	lb.	.17½ - —
l.c.l.	lb.	.18 - .18½
500, hard, c.l., divd.	lb.	.14½ - —
l.c.l.	lb.	.15 - .15½
extra hard, c.l., divd.	lb.	.17 - —
l.c.l.	lb.	.17½ - .18
800, extra light, c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½ - .16
800, dark, c.l., divd.	lb.	.14 - —
l.c.l.	lb.	.14½ - .15
850, c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½ - .16
1600, c.l., divd.	lb.	.14½ - —
l.c.l.	lb.	.15 - .15½
1700, c.l., divd.	lb.	.16 - —
l.c.l.	lb.	.16½ - .17
1750, c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½ - —
1855, c.l., divd.	lb.	.13 - —
l.c.l.	lb.	.13½ - —
3046-C, c.l., divd.	lb.	.22½ - —
l.c.l.	lb.	.23 - .23½
3101, c.l., divd.	lb.	.15¾ - —
l.c.l.	lb.	.16¼ - .16¾
3645, c.l., divd.	lb.	.15 - —
l.c.l.	lb.	.15½ - .16
Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.	lb.	.13 - —
l.c.l., 10 dms., same basis.	lb.	.13½ - —
single dms., same basis.	lb.	.14 - —
smaller lots, same basis.	lb.	.19 - —
G, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.	lb.	.14½ - —
l.c.l., 10 dms., same basis.	lb.	.15 - —
single dms., same basis.	lb.	.15½ - —
smaller lots, same basis.	lb.	.20½ - —
P.H.O., dms., works.	lb.	.24 - —
Piccolyte resins, S-10, S-25, S-40, bulk, net wt., f.o.b. Clairton, Pa., c.l.	lb.	.15 - —
l.c.l.	lb.	.15½ - —
S-55, S-70, same basis, c.l.	lb.	.16 - —
l.c.l.	lb.	.16½ - —
S-85, S-100, same basis, c.l.	lb.	.17 - —
l.c.l.	lb.	.17½ - —
S-115, same basis, c.l.	lb.	.18 - —
l.c.l.	lb.	.18½ - —
Piccoumaron resins, 420, 420-S, bulk, gross wt., f.o.b. Clairton, Pa., frt. equald.	lb.	.08 - —
420-T, same basis.	lb.	.0675- —
422-R, 423-R, 425-R, 427-R, bulk, net wt., same basis.	lb.	.1075- —
430, 435, bulk, gross wt., same basis.	lb.	.045 - —
440-T, same basis.	lb.	.0625- —
450, 450-H and 450-S, same basis.	lb.	.09 - —
450-EH, same basis.	lb.	.0975- —
460-T, same basis.	lb.	.0675- —
XX-25, XX-40, bulk, net wt., same basis.	lb.	.0625- —
XX-55, bulk, gross wt., same basis.	lb.	.0675- —
XX-70, XX-100, same basis.	lb.	.0525- —
XX-115, same basis.	lb.	.0575- —
T-115, same basis.	lb.	.0725- —
70%, 420-S Sol., net dms., net wt.	lb.	.075 - —
Pilolite, powder, ton lots, works.	lb.	.66 - —
dm. lots, same basis.	lb.	.69 - —
less dm. lots, same basis.	lb.	.74 - —
milled, ton lots, works.	lb.	.75 - —
dm. lots, same basis.	lb.	.79 - —
less dm. lots, same basis.	lb.	.84 - —
Piyophen, solution, 5000, c.l., works.	lb.	.18 - —
l.c.l., same basis.	lb.	.18½ - .19
5010, c.l., same basis.	lb.	.18½ - —
l.c.l., same basis.	lb.	.19 - .19½
5011, c.l., same basis.	lb.	.17½ - —
l.c.l., same basis.	lb.	.18 - .18½
5012, 5013, c.l., same basis.	lb.	.13 - —
l.c.l., same basis.	lb.	.13½ - .14
5014, c.l., same basis.	lb.	.14½ - —
l.c.l., same basis.	lb.	.15 - .15½
R		
Resinous oil, No. XI, returnable dms., works.	lb.	.0160- —
S		
Silene (see Calcium silicate hydrated under C in Current Market Quotations)		
Staybelite ester, No. 1, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.	lb.	.17½ - —
10 dms., same basis.	lb.	.18½ - —
1 dm., same basis.	lb.	.19½ - —
smaller lots, same basis.	lb.	.24¾ - —
No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.	lb.	.1824- —
Staybelite ester, No. 21, 10 dms., same basis.	lb.	.19 - —
1 dm., same basis.	lb.	.199 - —
smaller lots, same basis.	lb.	.249 - —
No. 3, returnable black iron dms, c.l., f.o.b. cars, destination, zone 1.	lb.	.1974- —
10 dms., same basis.	lb.	.2049- —
1 dm., same basis.	lb.	.2149- —
smaller lots, same basis.	lb.	.2649- —
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.	lb.	.14½ - —
Staybelite ester, No. 10, 10 dms., same basis.	lb.	.14¾ - —
1 dm., same basis.	lb.	.15 - —
smaller lots, same basis.	lb.	.20 - —
Super-Beckacite, 1001, X or lighter; 3000, 3011, 1 or lighter, RM-254, c.l.	lb.	.33 - —
l.c.l., same basis.	lb.	.33½ - .34
1003, 1020, F-E, c.l.	lb.	.31 - —
l.c.l., same basis.	lb.	.31½ - .32
2000, M-K, c.l.	lb.	.27 - —
l.c.l., same basis.	lb.	.27½ - .28
2067, E-D, c.l.	lb.	.23 - —
l.c.l., same basis.	lb.	.23½ - .24
V		
Vanadiset resin, divd. Balto-Washington area, 26-140 tons, shpt.	ton.	32.40 -35.40
1-25 tons, shpt.	ton.	51.40 -63.00
under 1 ton, shpt.	ton.	85.00 - —
Canada, Windsor to Montreal, 26-140 tons, shpt.	ton.	35.60 -38.60
1-25 tons, shpt.	ton.	54.00 -66.00
under 1 ton, shpt.	ton.	86.00 - —
Greater N. Y., North. N. J., Conn., 26-140 tons, shpt.	ton.	31.00 -34.00
1-25 tons, shpt.	ton.	48.00 -60.00
under 1 ton, shpt.	ton.	80.00 - —
Ill., Ky., Tenn., Carolinas, Georgia, Missouri, 26-140, tons, shpt.	ton.	36.00 -39.00
1-25 tons, shpt.	ton.	55.00 -67.80
under 1 ton, shpt.	ton.	87.80 - —
Iowa, Wis., Minn., Florida, Alabama, Mississippi, 26-140 tons, shpt.	ton.	36.00 -39.00
1-25 tons, shpt.	ton.	56.00 -68.80
under 1 ton, shpt.	ton.	88.80 - —
Louisiana, Arkansas, Oklahoma, Texas, Colorado, Nebraska, Kansas, Dakotas, 26-140 tons, shpt.	ton.	41.00 -48.00
1-25 tons, shpt.	ton.	60.00 -80.00
under 1 ton, shpt.	ton.	90.00 - —
New England (except Conn.), 26-140 tons, shpt.	ton.	32.40 -35.40
1-25 tons, shpt.	ton.	53.00 -63.80
under 1 ton, shpt.	ton.	82.00 - —
N. Y. State, Penna. (W. of Harrisburg), Western Maryland, 26-140 tons, shpt.	ton.	32.00 -35.00
1-25 tons, shpt.	ton.	53.00 -65.80
under 1 ton, shpt.	ton.	85.80 - —
Ohio, Mich., Ind., W. Va., 26-140 tons, shpt.	ton.	33.60 -36.60
1-25 tons, shpt.	ton.	54.00 -64.00
under 1 ton, shpt.	ton.	84.00 - —
Pac. Coast, Ariz., New Mex., Utah, Nev., Idaho, Mont., Wyoming and Canada (except Windsor to Montreal), 26-140 tons, shpt.	ton.	51.00 -54.00
1-25 tons, shpt.	ton.	70.00 -82.00
under 1 ton, shpt.	ton.	94.00 - —
Southern New Jersey, East. Pa., Del., 26-140 tons, shpt.	ton.	31.00 -34.00
1-25 tons, shpt.	ton.	50.00 -62.00
under 1 ton, shpt.	ton.	82.00 - —
Vanadiset prices are subject to a 3 percent tax on transportation.		
"Vinylseal" adhesive solutions, vinylite resin AYAB, 60-72% by weight, solution in acetone, A-70, drum lots, f.o.b. South Charleston, W. Va.	gal.	2.75 - —
less than drum lots, same basis.	gal.	3.00 - —
AYAF, 35% by weight, solution in acetone, A-35, drum lots, same basis.	gal.	2.10 - —
less than drum lots, same basis.	gal.	2.50 - —
modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T 24-9, 20-drum lots, same basis.	gal.	2.00 - —
drum lots, same basis.	gal.	2.25 - —
less than drum lots, same basis.	gal.	2.50 - —
25% by weight, solution in 85% methyl acetate, MA 28-14, 20-drum lots, same basis.	gal.	2.15 - —
drum lots, same basis.	gal.	2.40 - —
less drum lots.	gal.	2.65 - —
All "Vinylseal" containers except 1-gal. size are returnable. Extra charge of 40c for 1-gal. containers; 55-gal. drums are valued at $5 each.		
Vinylite resins, vinyl chloride acetate resins VYLF, VYHH, VYNW, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va.	lb.	.42 - —
10,000 to 29,999 lbs., same basis.	lb.	.43 - —
200 to 9,000 lbs., same basis,	lb.	.44 - —
1 to 199 lbs., same basis.	lb.	.60 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.58 - —
10,000 to 29,999 lbs., same basis.	lb.	.59 - —
200 to 9,999 lbs., same basis,	lb.	.60 - —
1 to 199 lbs., same basis.	lb.	.76 - —
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis.	lb.	.58 - —
10,000 to 29,999 lbs., same basis.	lb.	.59 - —
200 to 9,999 lbs., same basis,	lb.	.60 - —
1 to 199 lbs., same basis.	lb.	.76 - —
vinyl acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi river, c.l. (30,000 lbs.).	lb.	.40 - —
2,000 to 29,999 lbs., same basis.	lb.	.43 - —
200 to 1,999 lbs, same basis.	lb.	.45 - —
1 to 199 lbs., same basis.	lb.	.60 - —
chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.	lb.	.42 - —
10,000 to 29,999 lbs., same basis.	lb.	.43 - —
200 to 9,999 lbs., same basis,	lb.	.44 - —
1 to 199 lbs., same basis.	lb.	.60 - —
vinyl butyral resins, XYHL, XYHM, XYNC, granular, 98 to 97% solids, prices based on contained solids (in paper bags at option of seller), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.82 - —
10,000 to 29,999 lbs., same basis.	lb.	.83 - —
200 to 9,999 lbs., same basis.	lb.	.84 - —
1 to 199 lbs., same basis.	lb.	1.00 - —
Z		
Zinlac, orange or white, 50-gal. bbls.	gal.	1.65 - —
kits (5 gals.)	gal.	1.85 - —
jugs (1 gal.)	gal.	1.90 - —

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This Training Deserves Aid

There is a growing public need for a continuing supply of trained pharmacists. The reasons why the supply is steadily falling behind the demand are various. The exigencies of wartime are but one of them. Most of the others are academic. The need for trained pharmacists is real.

Pharmacal colleges share the wartime adversities of teaching institutions as a whole. The immediately disturbing effect of these in all lines is loss of income. Pharmacal colleges not affiliated with larger institutions of learning suffer particularly, because they are seldom among the fortunate schools which are blest with endowments. The drug industry has never tangibly manifested toward its teaching adjuncts the fostering interest which their services merit.

It was because of this that a group of forward-looking leaders in the drug trade set out a few years ago to rally financial support for pharmacal education. They eventually established a foundation for the purpose they had in mind and a short time ago they had cleared up the preliminary work and got the organization to functioning as designed. The results have been gratifying. Two scholarships were granted late in 1943 to each of the colleges of pharmacy accredited by the American Council on Pharmaceutical Education. Current funds make possible two additional grants at this time.

There are something like 60,000 retail drug stores in the United States. Of course, not every one of these lacks a necessary trained pharmacist at this time. But, in such lacks, 250 more graduates would hardly be noticeable. The need is for thousands. It is a need which is vital for the drug trade, because, argue as some do that the fundamentals of the drug store lie in merchandising, it is an inescapable fact that the drug store would have no reason to exist as such were it not for its correlated and complementary service for the medical profession.

The necessary training of essential pharmacists needs financial assistance. These needs impose a duty on the drug trade in keeping with its responsibility in the service of the public health. The American Foundation for Pharmaceutical Education labors commendably at the task which this involves. It deserves all possible support.

BUY ANOTHER BOND

Pattern for Postwar Planning

Business, unfortunately, is all too strongly inclined to wish an early closing of the war. Desirable as that would be from many angles, the overall effect of the averaging of guesses at the chronological endpoint of the fighting is likely to foster premature peace-seeking, of which there is already too much. For the United States, the war should not be over until the japs have been cut down to fit the small place they deserve in the world and its affairs. That cannot be done in a year.

The warend wishing of business puts talk too far ahead of thought in much of the planning necessary for its postwar role. In too large part this planning consists merely of what is called market analyzing. What little evidence there is indicative of the nature of postwar markets is so confusingly contradictory that really interpretative analysis is impossible. The attempts at analysis already have led to such a maze of plans that the correlation of fundamentals, which national progress will require, cannot even be undertaken.

Postwar planning by business needs a basic pattern. The following steps have been suggested in the study being made by the Department of Commerce field service:—

1. Searching for or designing new products to manufacture.
2. Redesigning old products.
3. Determining market potentials for products.
4. Estimating share of the market.
5. Planning production facilities.
6. Computing costs of production.
7. Scheduling production.
8. Preparing "shopping lists" for equipment and materials.
9. Analyzing markets.
10. Budgeting.
11. Setting up personnel requirements and training programs.

How many of these steps are desirable or necessary and the order in which they should be taken are matters which the individual businessman, or corporation, must determine for himself. No fully satisfactory determination can be made without cooperative study, joined in by representatives of all lines of business. Such things as market potentials and sharing the consumer's dollar will depend, as in the past, on the relative effectiveness of selling efforts. The postwar market is going to be a buyer's market. And any seller who has the idea that buyers will be suckers because they have money to spend would better get rid of it in time to develop selling competence more nearly adequate to the job than was the high-pressure stuff of the delirious days following the previous world war. The significance of the fact that a buying spree has not developed in this wartime must not be missed if the postwar period is to be profitably prosperous.

Orderly Procedure Essential

All the postwar planning that business can do with respect to new products, new models, expansion, or any of the other goals to which at least talk of planning is directed can be nullified by one thing. No planning will be worth a whoop which does not first dispose of that thing. It is the disposal of surplus finished goods and materials in the hands of producers, assemblers, the government, and lend-lesees when the war needs for these articles have come to an end. The biggest market, the best-planned campaign can be wrecked, would be wrecked by the dumping of surplus stocks of any article that would strike the public as a desirable bargain.

It is small wonder then that there are so many proposals for the disposal of war surpluses; that the re-entry of lend-lease exports is vigorously opposed; that prolonged possession and progressive releasing of government-held goods are earnestly advocated. The billions of dollars' worth of ex-war goods could constitute a flood that would devastate a decade.

It is for this reason that established business must play the biggest part in the solid establishment of a sound plan of surplus disposal. Whatever the antimonopoly statutes and their administrative worshippers may say about such a program, the nation must be assured against the disaster that would result from mushroom marketing of the billions of dollars' worth of bargain goods which could be loosed into such disorderly distribution. Congress cannot, must not be expected to know a good plan from a bad one with respect to surplus disposal. Orderly business should see to it that Congress is supplied with a plan which will give the public full, reasonable benefit of available supplies and at the same time enable established business to continue to provide employment for the nation's workers, including those returning from the war.

The best-intentioned plan of surplus disposal is that which would have all left-over goods sold back to their producers. If they are gifted with wisdom of the kind and measure which will be needed in postwar functioning, producers will fall in with that plan wholeheartedly. In such manner alone will they be able to prevent detrimental depreciation of the value of their goods and their names. The only way to avoid the evil effects of unfair competition is not to let unfair operators get into competition. This does not mean, by a whole lot, that the public should be gouged. That isn't fair either.

BUY ANOTHER BOND

Now It Can Be Learned

The chemical industry has been done a useful and necessary service in the publication by the Bureau of the Census of data (see page 7 for summary) on production, limited consumption, and producers' stocks of a number of important chemicals. This service is equally valuable for the scores of compounding and processing industries for which chemicals are essential materials.

The chemical census data cover the years 1941 to 1943. Statistical information for those years has been withheld because of its believed potential value to the enemy. Views differ on that score. There can, however, be no doubt, of its actual value to the national war effort; hence it is gratifying to have the Federal officials relax their caution.

Domestic industry can make good use of these data for both military and civilian purposes

OPD—2-7-1944

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Heavy Chemicals

Closing down of three more aluminum manufacturing plants has contributed toward further easement of the demand for soda ash from that consuming source. Reports stated that the cutback in aluminum production now averages 14 percent. Satisfactory war output has been reached and much aluminum is expected to be put back on the civilian market to relieve the demand for steel. Although some additional cutbacks are anticipated, the steadily mounting aircraft production will probably make it unnecessary for any big reductions in aluminum output during the remainder of the year.

Carbon tetrachloride was placed under allocation last week. While the markets for both soda ash and soda caustic remained tight, considerable improvement in their basic positions has taken place. While a larger consumption of soda caustic is expected in the rayon and soap industries, increased confidence was expressed in the ability of producers to meet all government and commercial requirements this year. Ordnance plants have substantially increased their production of sulphuric acid and have moved it to points where it was most needed. Heavy deliveries of oxalic acid were shipped to plants indirectly affiliated with the government. The container shortage in hydrofluoric acid was measurably relieved. Copper sulphate stocks continued to increase and there was also expansion in the calcium chloride stockpile.

Reports from the Department of Commerce by thirteen wholesalers of industrial chemicals whose 1943 sales aggregated $24,764,000 show a gain of 4 percent over 1942 sales. Yearend inventories were practically unchanged.

Paper production as a percentage of six-day capacity was 89.2 in the week ended January 29, according to the American Paper & Pulp Association. This compares with 89.2 in the previous week and 87.1 percent a year ago.

Offerings of items listed in some of our market reports are being made by the Regional Redistribution Division of the WPB, Empire State Building, New York City. Sales will be made in accordance with WPB regulations governing excess and idle inventories.

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
170.6	170.6	170.6	170.2

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Aluminum Sulphate.—Iron-free material remained scarce with the market situation tight. Some producers are out for the duration owing to difficulty in securing the desired grade of bauxite. Commercial was in sufficient supply to meet demand. Department of Commerce states that production of alumina sulphate in Brazil has been stimulated by the closing of former European sources of supply. Present production is sufficient to meet most domestic requirements and capacity is available to produce another 8,000 metric tons for export. One company is installing equipment to produce iron-free aluminum sulphate which should provide all domestic requirements. Locally the Regional Redistribution Division of WPB secured 30,000 pounds of aluminum, flaked, pyrotechnic grade A from excess inventories which was offered for sale.

Ammoniac Sal.—Buying interest was focussed more on small lots representing actual requirements. The supply situation was equal to demand. A lot of 4,592 pounds of white technical grade of English manufacture was culled from excess inventories and offered for sale by the Regional Redistribution Division of WPB.

Antimony Oxide.—Buying of this material for use as a flame retardant has been sufficient to appreciably reduce available stocks and the market has again assumed a definitely tight position. The demand was reported to have emanated from government sources.

Calcium Chloride. — General improvement continued to feature the supply situation. Production added to reserve stocks which have been increasing since the turn of the year. Demand for ice control remained relatively slow owing to the abnormal winter weather. The situation was entirely reversed from that which prevailed over the Fall months of 1943.

Carbon Tetrachloride. — Shipments were under WPB regulations. The movement was placed under allocation February 1.

Copper Sulphate.—Buying interest for agricultural use continued to expand. There was plenty of room for improvement in shipments although some progress was reported. The consuming outlook continued favorable and it was expected the call for deliveries would increase as the season advanced. A block of 40,000 pounds was scraped up from excess inventories and offered for sale by the Regional Redistribution Division of WPB. An odd lot of 200 pounds of copper cyanide was also offered by this agency.

Manganese Sulphate.—Buying conditions revealed no material improvement. Demand has topped output and the shortage of available supplies has prevented the market from relaxing from its tight position.

Nickel Sulphate.—Some time will be required to satisfy all the buying orders on hand for this chemical. Demand has crowded output and it looked like a tight market throughout the month.

Phosphorus.—War production industries continued to call for heavy shipments and the major part of output was routed through these channels. Limitation of supplies for civilian use held the market in a tight position.

Soda Ash.—Statistics compiled by the Bureau of Census show the production of light ash for eleven months ending November 30 to be 2,094,149 tons. Stocks November 30, were 16,288 tons. The peak production was 215,363 tons recorded in October and the low point was reached in February at 164,033 tons. Production of dense ash for eleven months amounted to 1,269,437 tons. Stocks November 30 were 8,172 tons. The peak was registered in April with 123,068 tons and the low in July at 106,659 tons. The market retained a tight position with shipment conditions showing improvement. Some concern was felt in reference to the supply of paper bag containers owing to reports of paper shortage.

Soda Caustic.—While buying conditions continued tight, the market appeared in better shape. Contract deliveries were made more promptly and the combined movement made headway in satisfying the heavy demand. Increased consumption in the rayon and soap industries is anticipated this year.

Acids

Chromic. — No improvement reported in the supply situation. Allocated orders took material about as fast as produced. Buying conditions described as tight.

Hydrofluoric. — Some betterment noted in container supply with the exception of steel drums. Steady shipments reported to manufacturers of high octane gasoline. Producers taking care of regular customers but some not eager for additional orders under prevailing conditions.

Hydrofluosilicic. — Consuming demand was satisfied readily from an improved supply situation. Breweries were among the largest recent buyers.

Nitric.—Producers continued in a position to satisfy the demand readily. The supply was not excessive but was fully equal to the current extent of demand.

Oxalic.—Limited quantities of material were reported available for nearby shipment but the supply situation was rather uncertain. A lot of material has been engaged indirectly for government requirements. In some producing quarters it was doubt-

For current prices see alphabetical listing beginning on page 9.

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ful if orders for delivery before the last half of March would have met with consideration.

Sulphuric.—Shipments went forward a little more promptly although demand was broad enough to absorb output. Ordnance shipments have recorded a substantial increase. Official reports revealed that 24,000 tons of 60-degree acid were delivered to superphosphate producers in January and that approximately 25,000 tons are scheduled for February shipment. These figures are about double those for the latter months of 1943. Difficulties of long hauls have been partly met through the voluntary pooling of tank cars.

Insecticides

According to reports, cryolite will be used extensively this year as a substitute for pyrethrum and rotenone. The latter products are in definitely limited supply without any favorable indication of replenishment. Meanwhile, cryolite has been steadily gaining in popularity, particularly for use in Victory Gardens. Commercial orders indicate its use from Canada to South Africa. Both as a dust and a spray, cryolite has been successful against many chewing insect pests on fruit, vegetable and fiber crops. This year cryolite dusts and mixtures will be available in garden size packages.

Influences surrounding paris green have made the outlook rather confused. The amount required for export is unknown and so is the extent of insect infestation. While the use of this insecticide has been lessened in the past year or so by effective substitutes, the available supply of paris green this year may be exceedingly short.

Nicotine supplies were reported as satisfactory. Government requirements will largely regulate the future outlook and lend-lease shipments will also exert some influence.

Cartel Analysis Lauded by Kilgore

—Continued from page 3

policies, and the use made of them as weapons for economic warfare.

In a statement accompanying the report, Senator Kilgore commended Dr. Edwards for the analysis and said:—

The study points out a number of instances where cartels and monopolies, before the war, hindered the full development of technology in the United States and jeopardized our preparedness for national defense. There are indications that, even though cartel and monopoly restrictions have been partly removed during the period of active fighting, cartel and monopoly thinking and planning have continued to thrive.

The findings of this study suggest the need for substituting for monopoly and cartel activities, private and public approaches which would insure the maximum development of technology in the interest of full production and national security. The study points up the necessity for developing a foreign economic program that will both preserve the integrity of our domestic economy and enable us to maintain friendly economic and political relations abroad. Such a program along new lines is requisite if we are to establish an enduring peace after the war.

Victor Chemical Patent Claims Heard by OPA

—Continued from page 3

covered by the patent. Charles J. Marriam, counsel for the Victor company, testified that the company had been given an option by the German firm prior to the war to exercise the rights under the patent in this country and that it had notified the Treasury Department in 1941 that it was taking up the option. The company submitted several letters in support of its claims.

Decision will be rendered after the filing of briefs next month. APC was represented at the hearing by Elmer M. Cunningham, of the general counsel's office.

Fire Equipment Booklet Ready

A new booklet, on "Recharging Instructions for Carbon Dioxide Extinguishers," has been published by the C-O-Two Fire Equipment Company, Newark, N. J.

Matthews Vice-President Of Merchants Chemical

Ransdell Matthews has resigned from the Michigan Alkali Division of the Wyandotte Chemicals Corporation, this city, to become vice-president of the Merchants Chemical Company, of which Irving H. Taylor is president.

A native of San Francisco, Mr. Matthews started his business career in the chemical industry with the S. L. Abott Company, San Francisco, in 1919, remaining with that organization until 1936, when he became vice-president of the Emeryville Chemical Company and the Natural Soda Products Company. All of these were subsidiary companies of the Michigan Alkali at that time. In 1940 Mr. Matthews joined the New York office of the Michigan Alkali as assistant to the vice-president in charge of sales, Irving H. Taylor, who relinquished that post February 1.

Heyden Chemical Elects Three Vice Presidents

B. M. Reynolds, R. W. Harris and H. G. Walter, jr., have been elected vice-presidents of the Heyden Chemical Corporation, this city. Mr. Reynolds has been in charge of manufacturing operations in Garfield, N. J.; Danville, Pa., and Princeton, N. J., and Mr. Harris has been in charge of manufacturing operations at Perth Amboy, N. J. Mr. Walter was formerly associated with the law firm of Cravath de Gersdorff, Swaine & Wood.

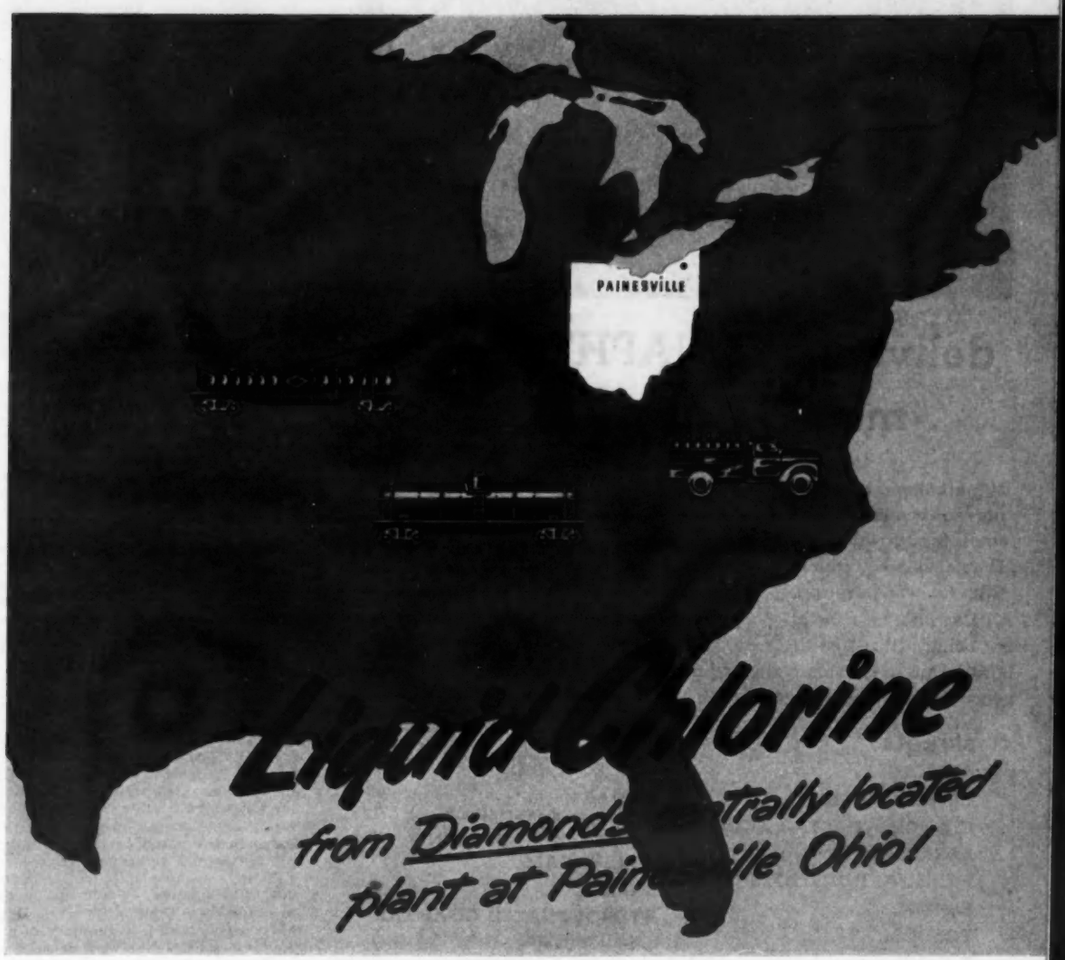
Trade Briefs

Day & Night Flare Corporation has been incorporated in California with a capital of $200,000. The new corporation is represented by O'Melveny & Myers, 433 South Spring street, Los Angeles, Calif.

Royal Chemical & Disinfectant Company is the firm name under which Ray C. Posner and Harold F. Damenstein have published an intention to conduct business at 2325 West Pico street, Los Angeles, Calif.

Wilmington Paint Company is the firm name under which B. H. Bradford has published an intention to conduct business at 104 East Anaheim street, Wilmington, Calif.

Carus Chemical Company, permanganate specialist, La Salle, Ill., is distributing a 1944 calendar aimed at "safety—yesterday and today." This has twelve leafs, with yesterday's pictures and advice as good today as it ever was—and more necessary.



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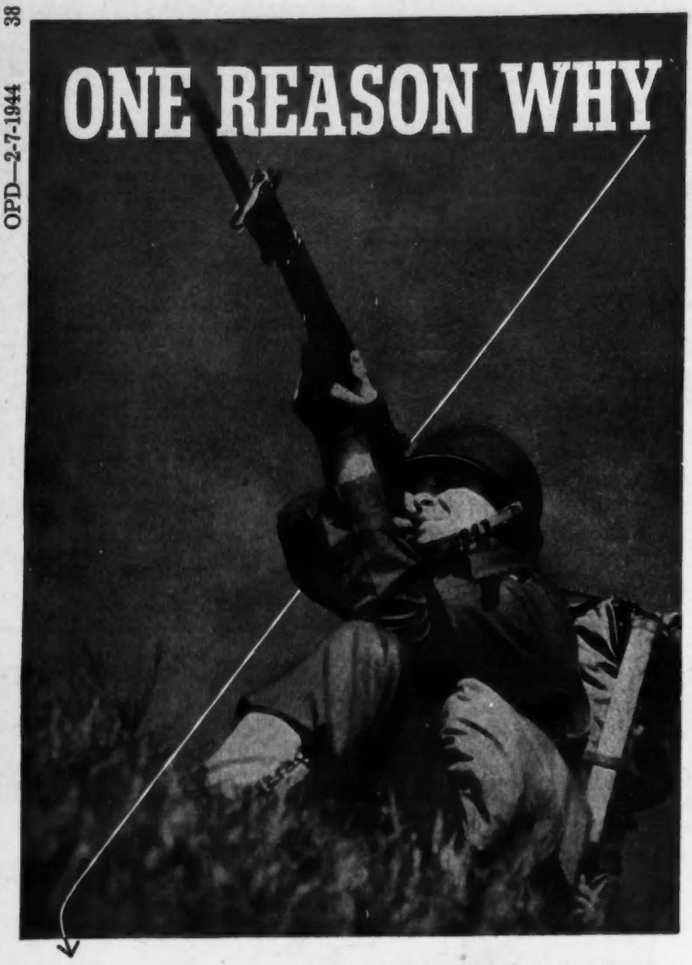
ONE REASON WHY



deliveries of NAPHTHALENE may be curtailed . . .

Naphthalene, long recognized as one of the most dependable moth preventives known, is also used in the manufacture of plasticizers for smokeless powder. Like many another coal-tar chemical, for which Barrett is a key source of supply, it is needed in ever-increasing quantities for war purposes.

All Barrett's vast facilities and 90 years of manufacturing experience are being utilized to keep production of these vital chemicals at top limits. But so great are the requirements for war, we ask the indulgence of our civilian customers if deliveries are curtailed or delayed.

PHENOLS
CRESOLS
CRESYLIC ACIDS
CHLORINATED TAR ACIDS
BARRETAN*
PICKLING INHIBITORS
BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH SOLVENT
NAPHTHALENE
PHTHALIC ANHYDRIDE
DIBUTYL PHTHALATE
PYRIDINES
TAR ACID OILS
CREOSOTE OIL
CUMAR* (Paracoumarone-Indene Resin)
RUBBER COMPOUNDING MATERIALS
BARDOL*
HYDROGENATED COAL-TAR CHEMICALS
FLOTATION AGENTS
ANHYDROUS AMMONIA
AMMONIA LIQUOR
SULPHATE OF AMMONIA
AMMONIUM NITRATE
ARCADIAN* THE AMERICAN NITRATE OF SODA

*Trade-mark Reg. U. S. Pat. Off.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

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ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
THE BARRETT COMPANY, LTD., 5551 St. Hubert St., Montreal, Que.

Barrett

ONE OF AMERICA'S GREAT BASIC BUSINESSES

Coaltar Chemicals

Tight supply conditions are being maintained in the case of practically all coaltar derivatives by the heavy demand of war and necessary civilian materials. No changes were reported in the price schedules of either the basic product or derivative categories of the market. Essential needs for various phthalate compounds are reported to have caused phthalic anhydride to assume an especially tight supply position.

Among specific products, creosote oil, road tars and pitches, and phenol continue the exceptions as regards short supplies. Benzol remains very tight on demands for aviation gasoline and synthetic rubber, and indications are that toluol consumption in the former product has also been expanded considerably in past weeks. A combination of basic material scarcity and labor shortage is holding intermediate manufacture below demand. Textile dyestuffs continue to move actively, whereas call for colors and pigments from the leather and paper industries is reported as remaining below normal.

Steel operations scheduling for the week beginning January 31 were at 99.8 percent of capacity according to the American Iron and Steel Institute. The figure is equivalent to a production of 1,734,800 net tons of ingots and castings. In the previous week the percentage was 99.4, equivalent to 1,727,900 net tons. One month earlier operations were set at 95.9 percent; and a year earlier at 98.3 percent. The total production of steel during 1943 was reported to have amounted to 67,278,221 net tons, according to the Institute, 5,684,691 tons of which were manufactured in December. The production of byproduct coke during December totaled 5,550,298 net tons according to the Bureau of Mines.

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.3	129.3

Basic Products

Benzol.—Civilian supplies remain very tight, as movement into production of high-octane gasoline, synthetic rubber and other essential materials continues unabated. Quotations show no change. Benzol weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Coaltar.—Market continues firm under OPA ceilings. Demand for derivatives keeps material moving into refining and processing plants as available. Coaltar weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Creosote. Oil.—Labor problem continues to curtail supplies of lumber made available for wood preserving. Supplies continue ample to cover demands. Creosote weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Cresols.—Domestic coaltar material remains tight on needs for resin manufacture, with WPB denying the use of acid in textile agents, cleaning compounds, and disinfectants. Imported cresols and cresylic acid have reached comfortable supply proportions, and are being granted in part for uses denied domestic material. Prices unchanged.

Naphthalene.—Supplies of crude varieties continue to tighten as demand for manufacture of phthalic anhydride gradually grows larger. Movement of refined material for moth-proofing purposes has also become active. Quotations of all varieties show no change. Naphthalene weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Phenol.—Supply picture continues with little change. U.S.P. grades can be obtained without difficulty. Resin mixtures containing percentage of cresol somewhat tighter. Prices of all unchanged. The phenol weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Picolines.—Demand for alpha and beta picolines continues active for production of vitamin medicinals. Supplies of gamma material much easier than other two varieties. Market schedule steady throughout.

Pyridin.—Refined pyridin supplies continue tight. Denaturing grade availability comfortable. Quotations show no change.

Quinoline.—Contiuues to share tight supply position with picolines employed in manufacture of nicotinic acid and nicotinamide. Price schedule remains firm.

Tar Acid Oils.—Supplies remain rather short. Quotations unchanged.

Toluol.—Civilian supply conditions continue as before, with increasing demand for high-octane aviation fuels allowing very small supplies for general use. Market tone firm. Toluol weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Xylol.—Supply situation similar to toluol, although somewhat more petroleum xylol than petroleum toluol is available for normal commercial channels, particularly for solvent purposes. Quotations remain unchanged. The xylol weekly production figure formerly presented in this paragraph will henceforth appear on page 4.

Chicago, Feb. 3.—Buyers are showing no disposition to ease up in their interest, and suppliers are being pushed to furnish additional quantities in some cases. Benzol continues in very tight supply. Ruling prices exclusive of tax are:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; toluol, 2-degree, same basis, 28c.; xylol, industrial, same basis, 30c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane.—Quotations show no change. Moving in good volume as solvent for resinous materials important in war production.

Cyclohexanone.—Demand good, with indications of gradual expansion. Supplies comfortable. Market tone steady.

Methylcyclohexanol.—Use as replacement for scarcer ester solvents continues satisfactory. Prices unchanged.

Coaltar Acids

Anthranilic.—Movement into production of essential materials remains heavy. Market tone steady.

Benzoic, Technical.—Demand continues active. Moving into consuming industries with little delay. Prices firm.

Broenner's.—Inquiry from regular users holding quotations in steady position.

Fumaric.—Supplies tight as manufacture is restricted by shortage of raw materials, labor and plant facilities. Market tone firm.

H.—Use in production of dyestuffs holding large volume. Quotations show no change.

Maleic.—Supplies very tight. Schedule of quotations firm. Further restruction by WPB on delivery of small quantities indicated.

Malic.—Shortage of raw material severely restricting manufacture, keeping supplies very tight. Prices unchanged.

Paranitrobenzoic.—Satisfactory demand from representative sources maintaining steady market tone.

Picramic.—Demand for manufacture of essential war materials continues heavy. Quotations steady.

Sulphanilic.—Supplies continue to be held rather tight by active demand. Price structure steady.

Other Intermediates

Acetanilide, Technical.—High rate of sulfa medicinal production keeping output moving as available. Quotations stable.

Alphanaphthol.—Tight supply position maintained by lack of sufficient

For current prices see ab... listing beginning on page 9.

plant production facilities. Market tone steady.

Anilin.—War production demand continues very heavy, sustaining firm price structure.

Anthracene.—Steady market tone maintained by demand for manufacture of essential materials.

Anthraquinone. — Continuance of dyestuff manufacture at high rate holding supplies tight. Quotations show no change.

Benzidin.—Shortage of raw material restricting production. Market tight and firm.

Benzoyl Chloride.—Supplies remain short of active current demand. Schedule of prices unchanged.

Betanaphthol.—Moving from producing plants as available. Labor shortage said to be responsible to some degree for rather tight supply position. Quotations unchanged.

Diethylanilin.—Demand from regular consuming plants sustaining steady market tone.

Dimethyl Phthalate.—Heavy demand for this material in essential product is declared to be causing tight supply conditions in phthalates generally. Prices firm.

Dinitrobenzene.—Firm market maintained by expanded manufacture for war production purposes.

Diphenyl.—Comfortable supply condition continues. Demand characterized as fair. Quotations unchanged.

Metanitroparatoluidin.—Inquiry from color and other regular consuming industries rather good. Supplies restricted by lack of raw material. Prices show no change.

Monochlorobenzene. — Movement from producing plants has shown gradual expansion in recent months. Quotations steady.

Orthochloroanilin. — Shortage of basic material causing supplies to remain rather tight. Market tone steady.

Orthonitrotoluene. — Demand exceeds production of material. Labor and materials scarcity restricting supplies. Prices stable.

Phthalic Anhydride.—Supplies have grown very short on sharp increase in call for phthalate materials for use as insect repellent, and plasticizing synthetic rubber and resins. Situation expected to continue tight for several

—*Continued on page 40*

Washington Talks It Over

—*Continued from page 5*

The probabilities are that about the first of April allocations of aluminum will be put on an annual, rather than a quarterly, basis. This would apply also to aluminum pigments and oxides. Some inkling of this contemplated step already has gone out to consumers from the WPB Aluminum and Magnesium Division.

Another Patent Research

Representative Charles A. Plumley has proposed that the house patents committee make an exhaustive investigation of the patent and copyright system to settle once and for all whether artists, authors, scientists, and inventors are being adequately protected by law in their rights of origination.

He says there is much loose talk around that the present laws have stretched too far in some directions and not far enough in other directions by interpretations placed by the courts upon the intended meaning of words and phrases, and if it is true, Congress should do something to correct this situation. He has a resolution (H. Res. 420) before the house rules committee to direct the patents committee to find out the facts.

Refined Soybean Oil Price Revised by OPA

OPD Washington Bureau

Maximum prices of refined soybean oils have been increased by the Office of Price Administration from seven hundredths of a cent to forty hundredths of a cent a pound in tankcar lots over previously listed maximums for this commodity.

The action was necessitated by the recent termination of a Commodity Credit Corporation payment of half a cent a pound on soybean oils, which had been paid on oils refined from the 1942 crop of soybeans. It was similar to the action taken recently in the case of cottonseed oil.

The new maximum prices for soybean oil produced from the 1943 soybean crop, in tankcars, basis f.o.b. Decatur, Ill., are 12.59 cents a pound for refined, unbleached and undeodorized; 12.73 cents a pound for refined, bleached and undeodorized; 12.8 cents a pound for refined, deodorized and unbleached; 12.94 cents a pound for deodorized and bleached; 13.4 cents a pound for winterized; 13.8 cents a pound for hydrogenated margarine soybean oil; 13.95 cents a pound for high titre hydrogenated soybean oil.

This action was made through amendment No. 13 to maximum price regulation No. 53.

Chemical Data Vested

Among the properties vested by the Alien Property Custodian, according to notices in *Federal Register* for January 29, are inventions and disclosures on the hydrogenation of unsaturated compounds, production of glycerin by fermentation, and effecting acetone-butanol fermentation.

Also included is an agreement of I. G. Farbenindustrie with General Aniline Works, dated October 25 and November 7, 1938, and covering textile assistants and similar products.

Oberender Retires From Atlas Powder Co.

John C. Oberender, New England sales manager of the Zapon division of the Atlas Powder Company, Wilmington, Del., retired February 1 after twenty-five years with the company. He joined the company in 1918 as a salesman.

MacQuigg Gets Morehead Medal

The James Turner Morehead medal of the International Acetylene Association was presented to Charles Ellison MacQuigg, dean of engineering at Ohio State University, January 24. Professor MacQuigg was cited for "advancing the oxy-acetylene processes through metallurgical research and for leadership in engineering education."

Flavoring Extract Manufacturers' Association will hold a meeting in the Hotel New Yorker, this city, May 22 and 23.

Chemical Workers Pay Shows Gain

—*Continued from page 4*

with an average of $35.65 for all nondurable goods manufacturing.

November-October comparisons in chemical and related lines were reported as follows:—

Average Earnings

	Weekly		
	Nov., 1943	Oct., 1943	Sept., 1943
Chemical and allied products	$42.45	$42.64	$42.73
Ammunition	42.43	43.77	43.60
Chemicals	50.40	50.34	50.08
Cottonseed oil	26.20	26.00	24.88
Crude petroleum products	51.83	50.82	51.23
Drugs, medicines, insecticides	34.30	34.58	32.04
Explosives, safety fuses	47.77	46.85	47.92
Fertilizers	27.94	28.86	29.41
Fireworks	40.12	38.08	37.49
Paints and varnishes	44.40	44.17	43.47
Petroleum refining	56.22	56.10	55.34
Rayon, allied products	37.81	37.33	38.15
Soaps	45.07	44.01	45.85

Hourly

	Hourly		
	Nov., 1943 Cents	Oct., 1943 Cents	Sept., 1943 Cents
Chemical and allied products	98.3	98.1	98.7
Ammunition	94.6	94.9	94.4
Chemicals	108.2	107.6	108.6
Cottonseed oil	48.5	47.7	47.3
Crude petroleum products	113.1	112.2	113.0
Drugs, medicines, insecticides	78.0	78.6	77.7
Explosives	102.8	101.7	103.0
Fertilizers	64.4	65.4	66.6
Fireworks	91.1	89.6	90.1
Paints and varnishes	94.9	94.3	96.8
Petroleum refining	122.8	122.2	122.3
Rayon, allied products	88.6	88.2	90.5
Soaps	96.6	95.9	97.7

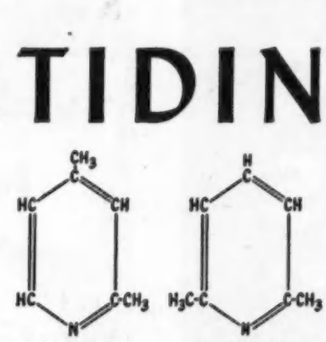
General Dyestuff Names Martin to Sales Post

Donald M. Martin has been placed in charge of sales of auxiliaries for the General Dyestuff Corporation, this city. The Auxiliary Department has formulated plans covering the development of textile finishes to meet the post-war requirements.

Cereal Chemists to Meet

The American Association of Cereal Chemists will meet May 23 to 25 in Minneapolis. Headquarters will be in the Nicollett hotel.

LUTIDINES



2,4 LUTIDINE 2,6 LUTIDINE

Grades Available—2,4 lutidine distilling 90% within 2°C.
—2,6 lutidine 95% minimum purity.

Properties: (Pure Compounds)

	2,6-Lutidine	*2,4-Lutidine*
Molecular Weight	107.15	107.15
Freezing Point	—6.0°C.	below —60°C.
Boiling Point	142.9°C.	158.3°C.
Specific Gravity	.928 at 25°C./4°C.	.927 at 25°C./4°C.
State	Liquid	Liquid

Solubility: *2,6-Lutidine*—very soluble in water and in most organic solvents including alcohols, hydrocarbons, ketones and ethers. *2,4-Lutidine*—soluble to the extent of about 15% in water. Very soluble in most organic solvents such as alcohols, hydrocarbons, ketones, and ethers.

Uses: 2,4 Lutidine is suggested for use in the synthesis of dyes, pharmaceuticals, or other organic chemicals. 2,6 Lutidine is suggested for use in rubber, insecticide, chemical, dye, and pharmaceutical manufacture.

Koppers will be glad to submit samples on these and other tar bases, including 2° and denaturing pyridine; alpha, beta and gamma picolines; and quinoline; and on naphthalene, industrial pitches and other coal tar derivatives.—Koppers Company, Tar and Chemical Division, Pittsburgh, Pa.

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DeBardeleben Preparation Gives Added Value

Coaltar Chemicals

Other Intermediates

—Continued from page 39

months, when the new production capacity is scheduled to be in operation. Quotations show no change.

Toluidin.—Manufacture curtailed by shortage of basic material. Schedule of prices firm.

Coaltar Colors

Demand for dyestuffs and colors from the textile industry continued active during the week, although certain quarters admitted that the call for civilian colors in recent weeks had not as yet come up to expectations. Use of such colors from stock was thought responsible for non-appearance of the expanded call. It was also reported that call for pigments and colors from the paper and leather fields continued unchanged during the period, at the reduced rate which has been in effect for some time.

Monsanto Camden Plant Manager W. J. Colvin

The appointment of William J. Colvin as plant manager of the Camden, N. J., operations of the Monsanto Chemical Company, has been announced by D. S. Dinsmoor, vice-president and general manager of the company's Merrimac division, Everett, Mass. Mr. Colvin succeeds John J. Heck, who was retired after devoting more than fifty years to the lampblack business.

Mr. Colvin began working as a member of the mechanic crew in 1923 for Merrimac Chemical Company, which was taken over by Monsanto in 1929 and liquidated as a separate corporation in 1937. Later he was transferred to the laboratory, and in 1933 was made foreman of the alcohol and carbon dioxide department of the Monsanto operated New England Alcohol Company at Everett. In May, 1942, he was transferred to the Camden plant as assistant superintendent under Heck.

Wilfred M. Adey, who has been in charge of the synthetic nitric acid department of the Everett plant, becomes technical assistant to Mr. Colvin at Camden. Mr. Adey joined the Monsanto company in January, 1942, after graduation from Massachusetts Institute of Technology.

Bickerdike Retires

R. B. Bickerdike, associated with the chemical industry in England for more than thirty-eight years, has retired from Bowdler & Bickerdike, Eagle Chemical Works, Church, Lance, England.

The remaining partner, H. E. J. Cory, is continuing the business as sole proprietor. Mr. Cory will operate as a merchant and exporter of dyes and chemical specialties, in addition to maintaining his consulting practice.

Reilly Tar Prepares New Edition of Catalog

Isoquinoline, quinaldine, 2-vinylpyridine, and 1, 2, 4-xylenol are among the commercially offered coaltar derivatives described in the second edition of the catalog of the Reilly Tar & Chemical Corporation. Data on anthracene, cresol, phenol, naphthalene, pyridin, and other coaltar products manufactured by the Reilly organization also again appear in the issue. Copies may be obtained by addressing the company at Merchants Bank building, Indianapolis, Ind.

Trade Briefs

Richards' Dye Works is the firm name under which Carlton J. Walters and Irene Walters have published an intention to conduct business at 538 West Fifth street, San Pedro, Calif.

Beron Capsules is the firm name under which H. R. Badger and A. G. Parnis have published an intention to conduct business at 5571 West Adams street, Los Angeles, Calif.

Arner Company, pharmaceutical chemist, Buffalo, N. Y., will discontinue its New York city sales office, 122 East Forty-second street, as of February 1.

REPUBLIC BENZOLS

1° - 2° - 90% - MOTOR

REPUBLIC STEEL

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TOLUOLS
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DURABILITY *With* ECONOMY

Mica brings advantages far out of proportion to the relatively small increase in cost to the paint.

Mica neither replaces nor competes with any other pigment. It has its own unique and distinct advantages.

Mica will improve any protective coating whose quality has been reduced due to unavailability of certain raw materials. It is a "plus" and therefore a compensating ingredient that is easy to use.

WET GROUND MICA ASSOCIATION, Inc.

420 LEXINGTON AVENUE NEW YORK, N. Y.

Protective Coatings Materials

Paint and varnish makers have been greatly cheered within the past week by increasing evidence of willingness, if not eagerness, on the part of the War Production Board, backed up by the War Food Administration and Office of Price Administration, to relieve some of the most oppressive shortages in protective coating materials required in civilian maintenance painting, wherever the pressure of war production and lend-lease reservations has eased even slightly.

This tendency on the part of these government bureaus to liberalize their restrictions and remove obstacles from the pathway of the paint and varnish industry has become particularly pronounced in their attitude toward lifting the tension in linseed oil, animal gluestock and both bone and hide glues and in some of the scarcest of the natural resins by favoring issuance of special orders and directives authorizing more extensive access to linseed oil stockpiles and directing raw materials into glue making channels while lending an attentive ear to applications for a more or less remote resumption of importations of spirit soluble copal gums from the Far East, although well aware of the army's opposition to immediate shipping operations there.

In view of the difficulties experienced by most paint mixers in obtaining sufficient quantities of linseed oil, the attitude of the War Food Administration in favoring the granting of more liberal quotas of this oil to paint manufacturers has been much appreciated, although authorization of this proposal has been held up temporarily by the War Department.

Considerable gratification is also felt over the diversion by WPB of gluestock from gelatine and fertilizer uses to the makers of bone and hide glues and over OPA's elevation of price ceilings on hide glues manufactured wholly or in part from imported stock with which the glue makers may now relieve the shortage in their domestic raw materials.

Reports to the Department of Commerce by fifty-five wholesalers of paints and varnishes, whose sales for last year aggregated $50,408,000, show a gain in these 1943 sales of 1 percent over those for 1942. Their inventories at the end of 1943 were 10 percent smaller than those noted at the close of the previous year.

Prices Advanced

Casein, imported, f.o.b. source, ½c. per lb.

Hide glue, made of one-third imported and two-thirds domestic materials, 2c. to 2½c. per lb.

Rosin, gum, dark, medium grades, 1c. to 8c. per 100 lbs.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

Metallic Lead and Zinc

With comfortably large stockpiles of metallic lead of all kinds on hand for war production requirements among which there is an especially liberal quantity of corroding grades, the War Production Board is manifesting no inclination to limit consumption by essential civilian industries. Hence, the makers of lead pigments are having no difficulty in filling their needs in pig lead. Quotations on pig lead have remained unaltered for the week Jan. 28-Feb. 4 at 6.35c. per pound in St. Louis and 6.50c. in New York.

There is still a plethora of zinc ore and concentrates awaiting conversion into slabs. But, in spite of a further easing of the slab situation through a shrinkage in war industries' requirements, far more than through materially increased production, priorities continue to be required for the purchase of these slabs. Prices for zinc slabs have been left unchanged for the week Jan. 28-Feb. 4 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Blue Lead. — War production interest continues fairly sizable in this pigment but buying on civilian account is rather light. Tone steady.

Lead Titanate.—Still moving moderately briskly into military channels but manifesting a further tapering-off of business on civilian account. Market firm.

Litharge.—Despite some diminution in civilian business, a goodly buying interest continues to be shown in this pigment on military account. Prices well maintained.

Lithopone. — Fairly sizable shipments are being made into both war production and non-military consuming channels but the volume of business is still somewhat restricted by reduced supplies of zinc sulphide and lowered offerings of dryground barytes. Tone strong.

Orange Mineral. — Continues in fairly active call for war production purposes but in only meager inquiry on civilian account. Market stable.

Red Lead.—Although there has been a further waning of civilian buying interest, the market for this pigment continues to show considerable activity on war orders.

Titanium Dioxide.—Although giving priority to all rated orders, most of which are for distinctly war production account, producers of this intense whitening agent are continuing to prorate all the remaining stocks of this material containing more than 12 percent titanium, dioxide, including titanated lithopone, among non-military consumers.

Zinc Oxides.—The entire market for zinc oxides has continued to tighten during the past week, with offerings decidedly curtailed in leadfree descriptions, now under allocation control, and also in leaded grades, which are still free from such restrictions. Prices strongly maintained throughout the list.

Fillers and Extenders

Asbestos.—Both Canadian and domestic materials continue moving steadily into consuming channels with prices well maintained. WPB has released for non-military purposes small quantities of Rhodesian asbestos grades C & G/1 and C & G/2, so that processors are permitted by order M-79, as amended, to use in any calendar quarter one ton of these grades, formerly restricted to direct and indirect military electrical purposes on every five tons of grade C & G/3 used.

Barytes.—A fairly plentiful supply of waterground barytes from Missouri barite is still obtainable, although producers in Tennessee and Georgia continue reporting a shortage of dryground barium sulphate at their plants. Market becoming stronger daily.

Chalk. — In fairly brisk request. Tone steady. Recent arrivals have included 700 bagfuls of chalk precipitate.

China Clay.—Continues in moderate demand with prices of both domestic and imported materials firmly maintained.

Charcoal. — Producers of pinewood charcoal and their agents are loath to market the granulated and pulverized grades at present prices to any greater extent than they have to on priority orders, as they deem present prices for these grades still too low.

Diatomaceous Earth. — Moving in routine fashion. Market stable.

Mica. — Waterground grades and pulverized forms continue in good request from the paint trade. There is also a fair inquiry for the dryground grades. Prices firmly held throughout the list.

Talc.—With the exception of producers in the New York fibrous talc region, who are still about three weeks behind in their shipments, suppliers of this material are reporting greater ease in the markets especially in Vermont, the Georgia-Carolina area

For current prices see alphabetical listing beginning on page 9.

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and the West Coast. But prices are being strongly held throughout.

Whiting.—Still moving steadily into consuming channels. Tone firm.

Dry and Chemical Colors

Alkali Blue.—Still being shipped in fair quantities but without manifesting any new features. Prices firmly held.

Bone Blacks.—In moderate request. Tone steady.

Carbon Blacks. — Although figures are not yet available on operations in the carbon black market for all of January, it is regarded as a foregone conclusion that stocks on hand at the close of last month will reveal a further reduction of inventories as of that date from those noted at the close of December, as a result of the continuously mounting volume of purchasing by the synthetic rubber tire makers in furnace blacks, easy processing and medium processing blacks.

Cadmium.—WPB's recent moves, in freeing persons using 100 pounds a month or less from the requirement for filing requests for authorization to purchase these relatively small quantities is giving rise to a belief that this bureau's restrictions will eventually be eased still further, if not entirely lifted.

Chrome Colors.—Considerable business continues to be transacted in these colors by producers and other suppliers with the various war procurement agencies but civilian use is greatly curtailed by the action recently taken by WPB to conserve supplies of critically short materials for military requirements while also providing equitable distribution of the balance for civilian industries.

Mercury Oxides. — A fair demand continues to be noted for both red and yellow mercury oxides which are now being held at the recently reduced price levels.

Vermilions. — Business in these colors is still limited to the filling of relatively small replacement orders. So far there has been no reflection in the price of quicksilver vermillion of the recent heavy drop in the mercury market.

Driers and Flatteners

Although still requiring WPB's authorization to purchase them, naphthenates are now being more extensively bought, upon granting of these authorizations, than any other drying agents except tallates. Belief persists that WPB will release naphthenates from allocation control by March 1.

In the field of flattening agents, the demand for stearates continues to outstrip the production rate. There is also a fair inquiry for palmitates.

Lacquer Materials

Alcohol, Butyl.—One producer operating plants outside of the Illinois-Indiana area during February will use molasses entirely, fully replacing grain heretofore used, and has therefor discontinued the price schedule of grain-derived material. Other prices continue unchanged.

Butyl Acetate. — Same condition exists as in butyl alcohol, above.

Nitrocellulose. — Supplies continue easy, with demand being restricted by shortage of solvents. Quotations show no change.

Naval Stores

No broadening of business was reported in the markets for rosin and turpentine last week, although there were indications of some slight increase in buying interest in the case of rosin. New business in that commodity was along the same conservative lines noted in recent preceding weeks, however, especially as offerings were generally light or moderate. Turpentine was quiet and no increase in activity is expected until the season for a resumption of painting and repainting opens with the approach of spring. Meantime the movement of rosin into consuming channels on contracts holds up well and supplies everywhere are steadily dwindling. Stocks in the hands of consumers, too, are reported to be diminishing. No change for the better was reported in the manpower situation in the South or in prospects for an increase in the output of naval stores during the coming season. Parity prices for February, issued last week, showed a small increase over the previous month on both rosin and turpentine.

CCC Holdings

The following table shows the quantities of rosin and turpentine held by the CCC at the close of business January 15, 1944:—

Crop year		Rosin	Turpentine, casks
1938—barrels		40,194	.....
	drums	21,398	.....
1939—barrels		1,223	.....
	drums	14,420	.....
1940—barrels		17,629	.....
	drums	.....	.....
1941—barrels		50,452	.....
	drums	.....	.....
1942—barrels		149,596	147,046
	drums	.....	.....
1943—barrels		.....	.....
	drums	34,859	84,476
Totals		329,168	231,522

Turpentine.—The local market for turpentine continued quiet, consumers and dealers still being disposed to hold off for further developments. Supplies available for prompt delivery are reported to be small and the market remained firm.

Savannah, Feb. 4.—Following in a record of the turpentine market for the week:—

	Bulk gallon Cents.	Bulk gallon Sales.	Barrels Receipts.	Barrels Shipments.	Barrels On hand.
Monday	78	350	93	473	41,052
Tuesday	78	...	17	189	40,880
Wednesday	78	...	20	...	40,900
Thursday	78	...	8	...	40,908
Friday	78	2,150	55	...	40,963

Chicago, Feb. 4.—Turpentine offerings not large. Five-drum lots, 90c. per gallon; five wood barrels, 95c.; single drums, 93c.; single barrels, 98c.

Rosin.—A firm tone continued to prevail in the local market for rosin in the absence of any change of consequence in the situation in the South where receipts and offerings continued light. Local trade was reported by some as slightly more active.

Savannah, Feb. 4.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted Mon.	Tue.	Wed.	Thurs.	Fri.
B	$3.54	$3.54	$3.54	$3.54	$3.56
D	3.73	3.73	3.75	3.75	3.78
E	3.99	3.99	3.99	3.99	4.02
F	4.12	4.12	4.12	4.12	4.12
G	4.15	4.15	4.15	4.15	4.16
H	4.15	4.15	4.16	4.16	4.17
I	4.16	4.16	4.20	4.20	4.20
K	4.30	4.30	4.30	4.30	4.33
M	4.36	4.36	4.40	4.40	4.45
N	4.50	4.50	4.50	4.50	4.53
WG	6.31	6.31	6.31	6.31	6.31
WW	6.52	6.52	6.52	6.52	6.52
X	6.52	6.52	6.52	6.52	6.52
	Barrels				
Sales	146	...	81	...	82
Receipts	102	61	132	121	95
Shipments	100	220	800	530	470
Stocks	...	...	...	...	31,916

Chicago, Feb. 4.—Rosin offerings light. Five-drum lots, B grade, $5.13 per 100 pounds net; G grade, $5.90; M grade, $6.15; W.W. grade, $8.07.

Other Naval Stores

Pine Oil.—Steady movement to local and outside buyers on old and new contracts. Market firm.

Rosin Oil.—Fairly active demand for all grades. Firm position of raw material reflected locally.

Tar.—Output moving steadily into consuming channels in various industries.

Shellac

Shellac market conditions had little opportunity for change during the past week. With all stocks controlled by government allocation, there were present few of those factors upon which shifting of market conditions and position depend and which, in fact, are what makes a market. Nothing suggests any early improvement in the quantities of shellac arriving on this market. Change in distribution awaits an increase in supply to an extent that would make it safe to divert importations to more general usage, especially the use that stems directly from ordinary civilian needs.

Synthetic Resins

Ester Gum.—A notable amplification of production, stemming from the more ample supply of glycerine, which has flowed from FDA's recent authorization of the use of this component for this purpose to the full extent of 1940 consumption, is now serving to meet the steadily increasing buying movement in this gum.

Some further evidences of WPB's growing liberality in allotments of numerous synthetic resins to essential civilian users are expected to be shown in its forthcoming February allocations.

WPB's New York Regional Redistribution Division is offering from idle or excess stocks 30,000 pounds of Bakelite sheets, abestos laminated in assorted sizes from 4¾ by 24½ inches to 25 by 25 inches, and 1,000 pounds of Dow No. 2 plasticizer.

A fairly comprehensive list of synthetic resins with current quotations

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An Outstanding Achievement in Sift-Proof All Fibre Drums

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Varnish Gums

Asphaltum.—Producers and importers report a constant tightening of the supply situation in the market for these gums with stocks of many descriptions of foreign origin virtually depleted. The demand, for all grades continues exceedingly active, however, with prices well maintained.

Copal.—Simultaneously with the arrival of 4,978 additional bagfuls of Congo copal, the Natural Resins Importers' Advisory Committee affiliated with the War Production Board has entered into negotiations with that bureau for the purpose of arranging for a resumption of importations of spirit-soluble copals from sources of origin in the Far East, as the lands of their production are freed from Japanese occupation and reoccupied by the Allied Natiens.

Already it has been pointed out there are available in New Guinea and other points some sizable supplies of hiroe and rasak grades of pale copals, commonly described in the varnish gum trade as Hiroe-Macassar and Singapore Rasak, of unsorted types, which were processed in the period before the war in the Pacific at Manila, Singapore, Macassar and Batavia. These and other natural resins which may become available in lands now occupied by the Japanese, after the latter have been driven out, the committee has asked to have placed by WPB under general order M-63, regulating imports of strategic materials, so that shipping quotas can be established.

Glues and Binders

Casein. — Although the halting of shipping operations between Argentina and all other countries, resulting from its sudden break with the Axis, has shut off further importations of casein from that source temporarily, it is not expected that this development will cause any revocation or revision of the already granted import licenses for the first quarter of this year, laterly doubled in size from 3,000 tons to 6,000 tons.

The market here is already amply supplied and is not likely to require much more to meet current needs of the principal consumers for some time to come.

Meanwhile, the price of Argentine casein has been marked down a half cent per pound on an f.o.b. source basis to 10½c. to 11c.

Glues. — Both bone and hide glue manufacturers have expressed gratification over the recent triple-play of WPB and OPA in relieving the well-nigh intolerable situation in which they found themselves with inadequate supplies of domestic raw material and with imported materials costing so much as to make it unprofitable to convert them into finished products and with an unsolvable problem of making distributions of their production that would anywhere nearly satisfy customers.

OPA's authorization of a markup of 7½c. per pound in hide glues made entirely of imported materials and of a commensurate advance in prices for goods made partly of imported and partly of domestic materials has already resulted in a marking up of prices for hide glues made up one-third of imported materials and two-thirds of domestic materials to the extent of 2c. and 2½c. per pound, using the 251 jelly test in grams grade as the base price.

Also, producers are pleased at WPB's diversion of certain types of gluestock from gelatin making and fertilizer uses to the production of animal glues. WPB's conservation order, providing for certain stated allotments to specified industries, while seemingly limiting these allotments to rather low percentages of consumption in the base period, of the last six months of 1942 and the first six months of 1943, is generally hailed by producers and jobbers as it provides for relief from unduly stringent limitations on consumers with granting of additional quantities when these limitations can be shown to work unnecessary hardships.

Zinc Yellow Standard Drafted

The technical committee on paint of the National Bureau of Standards has distributed to the trade a proposed Federal specification for zinc chromate, commonly known as zinc yellow, when in dry, paint pigment form. In view of the urgent need for the standard, it was requested that comments be submitted by March 1. In part the draft specifies:—

Detail Requirements

Chemical Composition.—Shall meet the following requirements:—

	P.C. by weight Min.	Max.
Zinc (calculated as ZnO).....	35.0	40.0
Chromium (calculated as CrO_3)	41.0	....
Sulphates (calculated as SO_3).	...	0.20
Chlorides (calculated as Cl)...	...	0.10
Combined water.....	...	8.0
Alkaline salts (calc. as K_2O)..	...	18.0
Moisture	...	1.0

Specific Gravity.—Shall be between 3.1 and 3.6.

Coarse Particles.—Shall not exceed 1.0 percent by weight retained on a No. 325 sieve conforming to Federal Specification RR-S-366.

Lead Pigments.—Shall be free from lead pigments.

Oil Absorption.—Shall be between 90 and 110 percent of that of the mutually agreed upon standard pigment.

Acetic Acid Solubility.—Shall be 100 percent, without effervescence, when the pigment is tested in accordance with the method described.

Color.—The mass color and character of the tint shall be the same as and the tinting strength shall be not less than that of a sample mutually agreed upon by buyer and seller.

Lightfastness.—Shall be such that the color change of the test pigment does not exceed that of the mutually agreed upon sample when both are simultaneously exposed to the carbon arc light and conditions specified for 48 hours.

Phthalocyanine Blue Specification Prepared

Proposed Federal specifications for copper phthalocyanine blue have been prepared by the technical committee on paint of the National Bureau of Standards and distributed to interested parties. The specification draft was accompanied by the request that comments be submitted by March 1, since government agencies urgently require the standard. In part the draft specified:

General Requirements

In all respects not specifically covered by this specification, the pigment shall be equal or superior to the mutually agreed upon standard pigment.

Detail Requirements

Composition.—Shall conform to the following by weight:—

Copper Content:
- Type I (Green tone)...minimum 6.0%
- Type II (Red tone)....minimum 3.0%

Volatile, including moisture .....maximum 3.0%

Other impurities, including iron blue, ultramarine blue and basic dye derivatives ..... none

Specific Gravity:
- Type I..... 1.45 to 1.55
- Type II..... 2.10 to 2.20

Water Solubility.—Shall not exceed 1.0% by weight in boiling water.

Oil Absorption.—Shall be between 90 and 110 percent of that of the mutually agreed upon standard pigment.

Color.—The mass color and character of the tint shall be the same as and the tinting strength shall be not less than that of the mutually agreed upon standard pigment.

Lightfastness.—Shall be such that after 48 hours under a carbon arc the color change will not exceed that of the mutually agreed upon standard pigment.

Allen Sales Company, manufacturers agent, recently moved its headquarters from 432 West 29th street to 366 Broadway, this city.

The results of a two minute flame test on treated and untreated duck strips (left) demonstrate how effectively Zinc Borate-3167 resists the flame and checks the afterglow, retarding the spread of flame to a minimum. A specimen of duck in the combustion chamber is shown at far left.

DUCK and DRILL COVERS made FIRE-RESISTANT with ZINC BORATE-3167

IN fire-resistant compositions of the weather-resistant type, ZINC BORATE-3167 is effective not only in damping the flame but also in depressing the afterglow. That is why Zinc Borate-3167 is used in treating cotton duck life boat and hatch coverings, and cotton drill life preserver coverings.

Zinc Borate is a white, very fine powder (99% through 325 Mesh Screen), containing less than 1% of water soluble impurities. It also possesses fungistatic properties, thus inhibiting the growth of mildew-producing fungus.

The Development Products Division of The New Jersey Zinc Company will gladly give you further information about the application of Zinc Borate-3167 in ducks and drills, as well as suggestions on its use in the treatment of other fabrics.

Official U. S. Navy Photograph

The hazards of fire spread by life boat or life preserver covers is reduced materially when the duck or drill covering material is treated with a fire-resistant compound which includes Zinc Borate-3167.

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Indicated post-war uses for Zinc Borate-3167 include marine and industrial tarpaulins, work-clothes, aprons and gloves, awnings and canopies, welders' curtains, theatrical draperies and decorations, automobile upholstery, building materials and paints, etc., in all of which Zinc Borate-3167 will play an important part as a weather and mildew resisting fire-retardant.

New Jersey Zinc

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A light amber non-hygroscopic, high-boiling, self-emulsifying oil—soluble in alcohols, oils, etc.—self emulsifiable in water—miscible with alcohol, glycerine, glycol, hydrocarbons, etc.—pH of 5% aqueous dispersion 8.0—low surface tension and viscosity—non-toxic, edible and practically odorless.
Manufacturers of cosmetics, pharmaceuticals, foodstuffs, paper, textiles, dry cleansing preparations, lacquer emulsions, emulsions for wood, leather and metals, etc., will find Propylene Laurate's emulsifying action, coupling and plasticizing action, and detergent and foam reducing capabilities of extreme interest.
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New 'Poly' Professor

Dr. Joseph J. Mattiello has been named adjunct professor of chemical engineering on the associated teaching staff of the Polytechnic Institute of Brooklyn, where he is conducting a course in paint and pigment technology. Dr. Mattiello is vice-president and technical director of the Hilo Varnish Corporation, Brooklyn, and president of the Federation of Paint and Varnish Production Clubs.

Resin Importers Resume Trade When Practicable

—Continued from page 5

WPB officials said however, that there is little likelihood that the Far East resin import trade can be resumed in the near future. Two problems are involved, they asserted. The first is the question of WPB's relation to trade resumption in post-occupation periods. The second is the Army's opposition to resumption of civilian activity in newly-recaptured territories that might divert local manpower and transport from essential military activity.

This policy already has found expression in North Africa, WPB officials said. There, not only the Army, but the Navy and the State Department as well, have asked that there be no resumption of private importations as yet. Consequently, officials said, all trade from this area is being handled by the United States Commercial Company, importing corporation of the Foreign Economic Administration.

The resin importers' committee is scheduled to resume discussions of the industry's problems with WPB officials at a meeting to be held in Washington in the middle of this month.

Paint Federation Backs Bombers with Bonds

Treasurer Paul O. Blackmore, of the Federation of Paint and Varnish Production Clubs, reports the purchase, with funds of the organization, of nine $1,000 United States bonds of Series G.

The federation, Mr. Blackmore says, is all-ways behind the slogan of the fourth war loan drive—"Back the Attack!" The bond-buying is tangible evidence of that attitude.

N.P.V.L.A. Queries Members On Accounts Receivable

The National Paint, Varnish and Lacquer Association is undertaking the "Survey of Accounts Receivable and Bad Debt Losses" earlier than in previous years so that it can deliver to the consolidated report at an early date in 1944. The association is forwarding its questionnaire in duplicate, and asking members to fill in one copy and return it to the association before February 28.

Lightcap, D'Almaine Join No. American Philips Co.

In preparation for expected postwar expansion in the industrial electronics field, the North American Philips Company, this city, has named M. W. Lightcap to the newly created position of distribution manager. He will coordinate sales and distribution activities of the company's several divisions. Mr. Lightcap was formerly with the Pittsburgh Plate Glass Company and more recently with the Devoe & Raynolds Company.

Harry D'Almaine has joined the company and will specialize in commercial control and analysis. He was formerly sales manager for the Bodine Electric Company, Chicago, and more recently manager of business research for Irvington Varnish & Insulator Company, Irvington, N. J.

Dyer Made Vice-President

Russ Dyer, formerly in charge of advertising and special markets for International Vitamin Corporation, has been made vice-president and general manager of the company.

Shawnee
DRY COLORS
Color Content Guaranteed
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

To Make Good Products Better
The consistent excellence, dependability and uniformity of Guai-A-Phene, the "Nelio" line and our D. D. Wood Turpentine and Dipentenes contribute to manufacturing efficiency and improve the quality of your finished products.
GUAI-A-PHENE
Positive, low cost anti-skinning agent for paints and varnishes. Easily added, mixes readily and is neutral to driers.
D.D. WOOD TURPENTINE
Water-white. Approximate Aniline Point minus 12 degrees Centigrade. Kauri Butanol approximately 75. Fed. Spec. LLL-T-792.
DIPENTENES

	No. 100	No. 200	No. 300
Spec. Grav. at 15.5° C....	.862	.859	.857
End Point.....	198°C.	192°C.	188°C.
Aniline Point	-21°C.	-15°C.	-12½°C.

"NELIO"
Gum Rosin Limed Rosin
Gum Turpentine Gloss Oil
For Samples and Prices Write
E. W. Colledge
General Sales Agent, Inc.
Jacksonville 1, Florida
CHICAGO 4, 310 South Michigan Avenue
NEW YORK 17, 52 Vanderbilt Avenue
CLEVELAND 14, 616 Guardian Building
SAN FRANCISCO 5, 503 Market Street

Current Market Quotations

—Continued from page 27

V

Valerian root, N. F., bls.....lb. .65 - .70
Valonia, beards, bgs., f.a.s..ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb. 8.25 - 8.75
Mexican, cuts, tins.....lb. 8.35 - 8.75
whole, tins.....lb. 9.00 -11.00
Tahiti, white label, tins...lb. 3.75 - 4.00
yellow label, tins.....lb. 3.50 - 3.75
West Indian, tins.....lb. 8.00 - 8.50
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate,[9] cbys., wks....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Vinylpyridin, ret. dms., works..lb. 1.50 - —
Viosterol (irradiated ergosterol)..mil units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .60 - .65
Tree bark, bls.....lb. .28 - .30
Wattlebark, E. Afr., bgs., f.a.s., based on freight $11; insurance $1 per ton. Difference for buyers account. Current freight $11.70; WSA insurance $2.75 per ton..ton.46.00 - —
So. Afr., bgs., f.a.s., based on freight $11; insurance $1 per ton. Difference for buyers account. Current freight $11.05; WSA insurance $3 per ton.46.00 -48.50
extract, liquid, bbls.....lb. .05¾- —
tanks.....lb. .05¼- —
solid, bgs., based on freight $20; insurance $2.50 per ton. Difference for buyers account. Current freight $16.90; WSA insurance $3.75 per ton..lb. .04475- .0460
Wax, amorphous, 160°-165°, m.p., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14¼- —
smaller lots.....lb. .14½- .15¼
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots.....lb. .13 - .13¾
white, cnts., 30 tons, same basis..lb. .24¾- —
smaller lots.....lb. .25 - .25¾
180°-185° m.p., amber, cnts., 30 tons, same basis..lb. .16½- —
smaller lots.....lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Bayberry, bgs.....lb. No stocks
Bees',[1] bleached, USP, white, bricks, bgs., ton..lb. .53 - —
discs or cakes, bgs., ton.lb. .60 - —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .37½- —
Cent. or So. Amer., sun-bleachable, bgs., ton.lb. .44¾- —
unbleachable, bgs., ton.lb. .41½- —
ref'd, USP, bricks, bgs., ton. lb. .53½- —
discs, bgs., ton.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½- —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
Candelilla,[1] crude, bgs., ton..lb. .38 - —
smaller lots.....lb. .39 - .48
Candelilla, powd., 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky No. 3, bgs., ton..lb. .71¼- —
smaller lots.....lb. .72¼- .81¼
North Country No. 2, bgs., ton..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .73½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83¼- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton.....lb. .81¼- —
smaller lots.....lb. .82¼- .91¼
No. 3, bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton. lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton. lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Montan, bgs.....lb. No stocks
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¾
powdered (same differentials as candelilla)
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, natural, bls. lb. .04 - .07½
rossed, bls.....lb. .14 - .15
White precipitate,[3] powd., dms., 50 lbs. or more..lb. 2.64 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Paris white, bgs., c.l...ton.24.00 -28.00
limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works ton. 6.00 - —
smaller lots, N.E., wks. ton. 7.00 - 9.00
wet-grd., air-floated, 300 mesh, 90¾%, bgs., c.l..ton. 9.35 -10.10
200 mesh, bgs., c.l.....ton. 8.60 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.18.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .05½- .06
rossed, bls.....lb. .15 - .18
thin, bls.....lb. .14 - .15
rossed, green, bls.....lb. .20 - .22
Wild indigo root, bls.....lb. .18 - .19
Witch-hazel extract, dist., NF. bbls..gal. .70 - .75
Leaves, bls.....lb. .10 - .12
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N.Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .23
Levant .....lb. 6.50 - —
Wormwood, bls.....lb. .50 Nom.

X

Xylene (see Xylol).
Xylol[2] (xylene), indus., dms. returned., works..gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
West, Minnequa, Col....gal. .27 - —
10°, dms., return, works...gal. .35 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .30 - —
5°, dms., return, works...gal. .42 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .37 - —
3°, dms., return, works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal. .42 - —
Xylol petroleum solvent, ret. dms., No. N. J.....gal. .26 - —
Xylidin, mixed, dms..... lb. .35 - .36

Y

Yara yara, cryst., bots., cns...lb. 1.75 - 2.20
Yeast, brewer's, dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, benzidin, bbls., dlvd...lb. 1.35 - 2.25
Cadmium, CP, import, bxs...lb. 1.35 - 1.40
Chrome CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, con. tracts...lb. .16 - —
Lithopone, bbls., ton, E. of Rockies..lb. .55 - —
packages, same basis....lb. .65 - —
Sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome yellow prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c; Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Mercury oxide, bbls., 1,000 lbs. lb. 2.67 - —
smaller lots.....lb. 2.69 - —
Ocher, American, golden, bbls., works..lb. .04½- .06½
yellow, bbls., works.....lb. .02 - .02¾
French type, bbls., c.l....lb. .0845- —
l.c.l. .....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa...lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .07 - —
l.c.l., works.....lb. .071 - —
Persian orange (see Ch).
Zinc,[6] bbls., same basis as chrome..lb. .15 - —
Navy spec. type, bbls., contracts..lb. .15 - —
Yellow dock root, bls.....lb. .38 - .40
Yellow root (xanthorisa), bls..lb. .18 - .20
Yerba santa leaves, bls.....lb. .14 Nom.
Yohimbine hydrochloride, vis..oz. 2.00 - 5.75

Z

Zein,[6] bgs., 1,000 lbs., works..lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls. dlvd..lb. .16 - .17
USP, bbls., 250 lbs.....lb. .26 - .27
kgs., 100 lbs.....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13¼
l.c.l., same basis.....lb. .12¼- .13¾
Borate, bgs., c.l.....lb. .12 - —
l.c.l. .....lb. .12½- —
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works.... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
solution, 50%, dms., c.l., works. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
Chromate (see Yellow, Zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Iodide, NF, bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Metal,[1,6,8] (quotations in Paint Market report).
Naphthenate, 8%-10% Zn. 50-gal. dms..lb. .16 - .19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
Zinc oxide pigment, dom., lead free,[6] bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd, lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
French process, com'l, lead free,[6] bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
green seal, bgs., c.l., dlvd. lb. .60 - —
l.c.l., dlvd.....lb. .09¼- —
red seal, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
white seal, bgs., c.l., dlvd. lb. .09½- —
l.c.l., dlvd.....lb. .09¾- —
USP,[3] 50-lb. ctns., c.l.....lb. .10½- —
l.c.l. .....lb. .10¾- —
Zinc oxide in bbls., ¼c. higher; Pac. cst., c.l., dlvd., and l.c.l., ex whse., ½c. higher.
Palmitate, bbls.....lb. .32 - .33
Resinate, 8.7% Zn, 100-lb. dms. lb. .14½- —
fused, pale, bbls.....lb. .11 - .12
precipitated, dms., dlvd....lb. .15 - —
Silicofluoride, bbls.....lb. .15 - .18
Stearate, tech., ctns., c.l., frt. equald..lb. .29 - —
ton lots, frt. equald...lb. .30 - —
ctns., smaller lots, frt. equald..lb. .31 - —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l.100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
flake, bgs., c.l.....100 lbs. 4.10 - —
l.c.l. .....100 lbs. 4.85 - —
powd., bgs., c.l.....100 lbs. 5.80 - —
l.c.l. .....100 lbs. 6.55 - —
Zinc sulphate in bbls., 25c. higher.
Sulphide,[1,3] pure, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l., dlvd.....lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
barium pigment, bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
calcium pigment, bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
fluorescent, pigment, works, frt. alld..lb. .90 - 1.00
magnesium pigment, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Zinc sulphide on Pac. cst. ¼c. higher for pure, ½c. for others.
Sulphocarbolate, NF, bbls., dms. lb. .26 - .31
Tallate, 5% Zn, 50-gal. dms.lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, works, frt. alld..lb. 2.00 - 2.35
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. E. of Rockies. lb. .06¼- —
dlvd., Pac. cst.....lb. .06½- —
ex whse., Pac. cst.....lb. .07 - —
Zirconium hydride, cns., works. lb. 7.00 - 8.00
Nitrate, kgs., works.....lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works. lb. 1.80 - 2.00

Petroleum Supplies Transport Order Changed

—Continued from page 7

owning inventory move it to some other area, in which event the product to be moved has to be transferred to the supplier who is requested to make the movement. The amendment now merely provides the machinery to place this in effect, and makes it clear that such product is for distribution in the area to which it is moved and not the area from which the movement is made.

Shipping schedules approved and issued by PAW often require the importing company to move the product to a terminal owned by another original supplier. In order to avoid complex bookkeeping and accounting problems, it is often desirable for the title to the product to be transferred to the owner of the terminal. The new amendment provides that such transfers may be made at the formula price without the product losing its character as unassigned inventory.

The Directive previously provided that if the cost of transporting the products from the point of origin to the point of delivery is less than the cost determined under another section of the formula, the lower cost will be used. This provision was inserted primarily to cover products moved over the Southeastern and Plantation Pipe Lines. However, if it is applied to certain movements from District 2 into the western part of District 1, it results in prices which are too low because no provision is made for product price differentials. The amendment merely restricts application of this section of the Directive to products moving from points of origin in District 3.

Graphite Data Available

To answer inquiries from owners of domestic graphite deposits and other persons interested in this war mineral, the Bureau of Mines has published an overall survey of its occurence, uses, prices, and market requirements, Dr. R. R. Sayers, Director of the Bureau has announced.

A copy of the report may be obtained by writing the Bureau of Mines, Department of the Interior, Washington 25, for Information Circular 7266, "Graphite — Natural and Manufactured," by G. Richards Gwinn.

Paint Production Clubs News

—Continued from page 7

an electric beam, which is one-one hundred thousandths that of light. Thereupon research work in the field of electron optics resulted in the creation of the electron microscope. Today this instrument is fifty times more powerful than the best light microscope, having magnification up to 100,000 diameters.

It is really a giant vacuum tube, using an electron stream instead of light and focussing by means of magnets instead of glass lenses. By the use of a simple attachment—a diffraction unit—the researcher in the paint and varnish or plastics industries may see a picture of the atomic arrangements of all the materials entering into the composition of these products in various stages of their formation and judge of the comparative merits of various materials. It may also be used as a guide in production control.

Eight applications for membership were acted upon favorably at this meeting, resulting in the election of the following:—William Knappman and Donald J. Wils, of Valentine & Co.; Howard Richard, of Clover Leaf Paint Company; E. M. Wanderman, of E. M. Wanderman Company; Sidney S. Beer, of Lacquer & Chemical Corporation; Frank Munns, of Atlantic Calsomine Company, Inc.; Ralph Everett, jr., of M. J. Merkin Paint Company, and Fred Gartenlauf, of Payson Paint & Varnish Corporation.

C-D-I-C

The January meeting of the Cincinnati-Dayton - Indianapolis - Columbus Paint and Varnish Production Club received the report from Chairman Lewis that his committee had suggested to the program committee of the federation the following subjects for investigation:—

(1) Evaluation of available drying oils. (2) Study of methods of re-equipping and modernizing old-style varnish plants. (3) Study of methods of pre-treating steel in preparation for painting, and testing of different primers with each. (4) Development of satisfactory methods for painting damp surfaces. (5) Investigation of pigment caking in various vehicles. L. A. Chloupek of the American Cyanamid Corporation spoke on "Pigment Dispersion." He differentiated between wetting and dispersion, terms often used synonymously, Wetting, he defined as the coating of each particle of a dry agglomerate by a liquid, accomplished either by constituents of the liquid itself, or by agents added for the purpose. Wetting, Mr. Chloupek explained, is followed by dispersion when the wetting agent is soluble in the balance of the liquid, and by flocculation when the wetting agent is insoluble. He described some effects of the degree of wetting, and of flocculation or dispersion on film-continuity, flow, and settling.

Philadelphia

The January meeting of the Philadelphia Paint and Varnish Production Club heard E. M. Toby, of the American Mineral Spirits Company, on "Postwar Solvents."

N.P.V.L.A. Executive Group Chairmen Named

—Continued from page 7

discussed the oil, pigment and container situations. Five zone vice-presidents and goverenment representatives were present by invitation.

Mr. Campbell began his career as a paint salesman with Berry Brothers in 1917 and rose through many positions to the presidency. Since 1935 he has been president and director of the Valspar Corporation and its subsidiaries:—Valentine & Co., Inc.; Detroit Graphite Co., Con-Ferro Paint and Varnish Co., Valspar Corporation, Ltd., and Edward Smith & Co. He is also chairman of the trade sales committee and of the membership committee (class B) of the national association, and a past president of the New York association.

Vermiculite Marketing Discussed by B of M

Vermiculite now ranks high as a war material in the United States, Dr. R. R. Sayers, Director of the Bureau of Mines, said in announcing publication of a Bureau report, "Marketing Vermiculite." A copy of the report, Information Circular 7270, "Marketing Vermiculite," by G. Richards Gwinn, may be obtained from the Bureau of Mines, Department of the Interior, Washington 25, D. C.

STEARIC ACID

Single Pressed and Double Pressed

Available in either cake or flake form

Triple Pressed
IVORY BRAND

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Oils, Fats, and Waxes

Conditions prevailing in the market for miscellaneous oils, fats and greases underwent little change last week. Business was generally quiet. Inquiries in not a few instances were numerous, but actual transactions were limited by the size of supplies. In many cases stocks available for filling prompt or nearby delivery orders were light. Although production of various crude and refined commodities is apparently large, much of the output is seemingly being applied on unfilled government and civilian orders. In such circumstances the market in general remained in a firm position.

As to the outlook for civilian supplies of edible oils and fats during the current calendar year, it was noted with not a little interest that allocations are likely to be on about the same scale as during the last half of last year. Supplies of inedible and edible oils and fats available for allocation during 1944, according to an official government estimate, will slightly exceed 12,000,000,000 pounds of which 68 percent will be available to civilians for utilization as food. This would leave about 3,900,000,000 pounds for industrial uses of which soap making alone will consume more than half.

The movement of live hogs to Western markets showed a noteworthy decrease. This was unexpected at this period in view of the large supplies of hogs on the farms and was regarded by some as due partly to the recent extension of government support prices to include hogs of a weight not provided for in the original program.

Official statistics issued last week showed that production of California pilchard oil during eleven months of 1943 was 12,085,147 gallons against 10,789,392 in the same time in 1942; pilchard meal 62,280 tons against 58,932; tuna and mackerel oil 172,782 gallons against 194,205; Alaska herring oil 1,644,142 gallons against 829,230; meal, 6,330 tons against 2,871; menhaden oil 5,300,748 gallons against 5,044,760 gallons in 1942.

A bill was introduced in the New York State Legislature last week to prohibit the manufacture, possession or sale of compound or blended oil with label that it contains part olive oil, unless it contains at least 25 percent and is labeled compound or blended oil with statement of different ingredients.

Prices Advanced
None
Prices Reduced
None
Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
195.3	195.3	195.3	192.7

Vegetable Oils

Castor, Dehydrated.—Steady movement to local and other buyers on contracts. New business fairly active. Quotations maintained.

Coconut.—Coast advices report sales to qualified buyers at 8c. per pound in tankcars. Local market quiet.

Corn.—Production reported on increase at some Western points but offerings continue light locally. Market steady.

Oiticica.—Spot oil available at 25c. per pound in tankcars and some business reported passing on that basis. Little interest thus far in new-crop futures.

Olive.—Quiet and nominal here in the absence of offerings.

Palm.—Recent importation noted of 1,157 tons. Market quiet and steady on spot.

Peanut.—Crude reported quiet in all primary markets as production still being applied mainly on contracts, leaving little available for new business. Peanut support price for 1944 on the farms announced as $140 to $150 per ton. Texas farmers are reported to have been advised to hold sufficient seed from the 1943 peanut harvest, or to arrange for a supply, if they expect to be sure of seed for the next crop.

Perilla.—Supplies lacking and market nominal.

Sesame.—Nominal here in absence of offerings. Quoted nominally at 15c. per pound in tankcars on Pacific Coast.

Soybean.—No change in situation from supply standpoint, offerings still being light. Farm prices for beans for 1944 put at $1.94 per bushel for No. 2 or better.

Chicago, Feb. 4.—Vegetable oils quiet. Corn oil, refined, edible, 15½c. to 15¾c. per pound, drums, car lots; 16c. to 16¼c., drums, less than car lots; soybean oil, crude, mills, 11¾c. per pound.

Flaxseed

A firm tone continued to prevail in domestic markets for flaxseed.

Minneapolis, Feb. 4.—There seems to be no particular urge on the part of the farmers to dispose of their flaxseed holdings, and operators of elevators in the country are bothered by the car situation, which seems to have become much worse since the allocation of 200 cars daily to Canada for shipping wheat to this country. This worsening of the car situation makes shippers wary of making arrive contracts which they deem of little worth as long as the movement to terminal markets is too light to allow prices to drop away from the ceiling.

A few cars of flax are going to the head of the lakes but most of the movement is directed to this market. There is virtually no trade in futures.

The week's closing flaxseed price range was as follows:—

	Cash	May
Saturday	$3.05	$3.05
Monday	3.05	3.05
Tuesday	3.05	3.05
Wednesday	3.05	3.05
Thursday	3.05	3.05
Friday	...	3.05

Crop movement in bushels follows:—

	Receipts		Shipments	
	1944	1943	1944	1943
This week	240,000	159,000	40,500	31,500
Since Sept. 1	16,778,600	12,037,500	2,250,500	754,000

Buenos Aires, Feb. 4.—No flaxseed offerings here. Rosario quotes $1.73⅝ per bushel. Exports this week 47,000 bushels to the United Kingdom, 138,000 to the Continent and 24,000 to others. Visible supply 13,504,000 bushels.

Linseed Meal.—Supplies light on spot and market firm. Inquiry active.

Minneapolis, Feb. 4.—Demand far exceeds supply and buyers keep bought up for sixty-day shipment. After the government quota is deducted from daily output there is not nearly enough meal to go around on civilian shipping instructions. There is a little trouble getting cars for shipment westward but to the east there is no trouble. Shipping instructions are good and crushers are falling behind from week to week. Output is heavy. Prices quoted at ceilings.

Shipments of linseed meal in pounds were as follows:—

	1944	1943
This week	12,000,000	14,280,000
Since Sept. 1	254,982,000	247,600,000

Linseed Oil

With flaxseed held at ceiling prices in primary centers, local oil quotations were maintained at former leve's. No material broadening of business was noted, although there were reports of some increase in the volume of inquiries received, including some interest in forward positions. Contract deliveries were apparently on a fair scale here and some increase in the movement was reported at outside points. Offerings of flaxseed in primary markets continued to be well absorbed. In view of the reports recently current that exports of flaxseed from Argentina will cease for several months, interest is increasing in the outlook for further shipments from Canada, where growers are said to be dissatisfied with existing prices. The government announced the recent purchase of 6,046,000 pounds of refined linseed oil at 14.50c. to 15.50c. per pound.

Minneapolis, Feb. 4.—Trade in linseed oil is scattered and volume is very limited. Shipping instructions are not good but crushers have plenty of a backlog to work on so are not worried about the current volume. Mills still operate at full capacity and most of the oil is moved as soon as available. A small quantity has accumulated in the past few weeks. Crushers are not complaining of shipping space.

Shipments of linseed oil in pounds were as follows:—

	1944	1943
This week	4,080,000	7,680,000
Since Sept. 1	144,780,000	138,420,000

For current prices see alphabetical listing beginning on page 9.

Cottonseed Oil

Stagnation continued to rule in the local market for refined cottonseed oil futures. Quotations were stationary and generally nominal in the absence of offerings. Crude oil remained firm in all parts of the South, where there were few transactions owing to a lack of offerings, only scattered and comparatively small lots being reported as available. Vegetable products which compete with cottonseed oil were also scarce. The movement of live hogs to Western markets fell off, the decrease being regarded as due partly to the extension of government support prices to weights not previously covered. The OPA issued the following change in the definition on certain cotton linters in the regulations governing maximum prices for these fibers.—"Chemical cotton linters means linters sold on the basis of cellulose content as determined by chemical analysis. Free cotton linters means linters which are not sold on the basis of cellulose content but are sold according to the grades set forth in this regulation."

Prices as follows:—

	Cents per pound in tanks— High.	Low.	Close.
March	....	....	14.00 bid
May	....	....	14.00 nom.
July	....	....	14.00 nom.

Cash, refined, 14.00c. nom.
Crude, Southeast, 12¾c.

Cake and Meal.—A firm tone continued to prevail in primary markets, offerings being limited and the inquiry active.

Memphis, Feb. 4.—Situation in vegetable oils and meals unchanged from last week. Distribution of oil is mostly on old contracts. Very little new business. Meal moving more freely since government began aiding distribution. Demand continues good.

Atlanta, Feb. 3.—All vegetable oil products remain at ceiling prices. Supplies inadequate for demand. Practically no cottonseed meal obtainable for fertilizer except small lots from farmers.

Fatty Acids

Many fatty acids continued to move steadily into consuming channels on unfilled contracts. New business fairly active. Prevailing tone firm.

Chicago, Feb. 4.—Orders for fatty acids are still in good volume. Settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3¼c. to 3½c.

Fish Oils

Cod. — Primary offerings remain light. Local stocks also limited. Market steady though quiet.

Menhaden.—Refined oil supplies remain below normal here. Market firm with occasional inquiries noted for small lots.

Baltimore, Feb. 3.—Crude and refined menhaden oil remain at ceiling. Crude production ended until next season, which opens in June. Refiners are apparently not receiving any of the government crude holdings

Sardine.—Refined oil quiet here in the absence of any increase in offerings. Quotations held at previous levels. Catch of sardines on Pacific Coast to January 15 reported about 55,000 tons smaller than same time last season.

Fats and Greases

Grease. — Inquiry continued good. Supplies available for spot and nearby remained light. Quotations held at previous levels.

Lard.—Cash inquiry fair. Supplies generally light. Market firm. Hog marketing smaller.

Tallow.—Output still being applied mainly on unfilled contracts, leaving little available for spot transactions. Quotations maintained and market firm.

Animal Oils

Lard. — Supplies of all grades for prompt delivery still light and inadequate for demand, which continues good. Market tone firm.

Oleo. — Offerings remain light on spot and market quiet though inquiries numerous.

Neatsfoot. — Inquiry for all grades continues good. Spot supplies light. Market firm.

Waxes

Stocks of ouricury wax were increased last week by the arrival of several lots that totaled 369 bags. Carnauba wax in the amount of 84 bags appeared in the list of wax arrivals, together with 281 bags of beeswax. All of this merchandise came to a market notable for at least one thing—the scarcity of reserve stocks in the hands of the leading dealers and importers. Consequently, there were ready takers of the supplies at prices definitely firm because of the absence of competition that depends on substantial stocks that had been obtained at favorable prices. The market continued strong in all its aspects on spot and in the several primary markets.

Fats, Oils Allocations Set for 1944

—*Continued from page 5*

ices; 21 percent for our Allies; and 1 percent to be set aside as a reserve.

The uses of fats and oils for non-food purposes, for civilians, military and war services, and the Allies, will require 32 percent of the total fats and oils supply in 1944. These industrial uses, therefore, will consume about 3,900,000,000 pounds of the 12,000,000,000 pound supply. The manufacture of soap alone will require about 54 percent of the fats and oils quota for inedible uses, and about 87 percent of the soap made will be for civilian use.

Allocations to civilians for the last six months of 1943 have been:—Lard, 850,000,000 pounds; butter, 846,000,000 pounds; margarin, 200,000,000 pounds (fat content, which approximates 80 percent of the finished product) and shortening and other oils, 920,000,000 pounds.

The allocation of fats and oils for inedible uses during 1944 (subject to change after the first quarter) includes:—

	Pounds— Totals, 1944.	Jan.-Mar.
Soap	2,106,600,000	518,200,000
Paint and varnish	575,600,000	124,300,000
Coated fabrics	98,300,000	25,200,000
Printing ink	25,700,000	6,400,000
Lubricating oils	282,700,000	70,700,000
Textiles and leather	179,300,000	44,800,000
Rubber	159,100,000	39,900,000
Core oils	86,800,000	21,700,000
Vitamin carriers	30,000,000	7,500,000
Pharmaceutical	22,700,000	5,700,000
Putty and other caulking compounds	33,100,000	8,300,000
Other industrial uses	288,800,000	73,500,000

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(Continued on page 22, column 6)
(Continued on page 5, column 2)
Army Releases Rare Penicillin To Save Life of Queens Girl, 2
The Army, which controls the nation's small supply of penicillin, a new drug working wonders in curing wounded and ailing soldiers, released some of the precious powder Wednesday in an effort to save the life of a civilian—two-year-old [redacted], of [redacted] ty-fourth Avenue
after an appeal was made to the Army surgeon general.
On Monday [redacted] a victim of septicemia bacteria, was taken, unconscious, to [redacted] Hospital, [redacted] Avenue. There doctors sought to save her life with sulfa drugs, but the bacteria co
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Drugs and Fine Chemicals

Lower prices for three synthetic vitamins provided the price feature in the market for drugs and fine chemicals last week. Nicotinic acid, riboflavin, and thiamine hydrochloride were the products reduced and new, record low prices were the result. Other developments included a War Production Order which, on February 2, removed all restrictions on quicksilver that had been imposed by conservation order M-78. Said order was revoked to meet the improved supply position, said position being that the government stockpile holds enough quicksilver to cover two years supply on the basis of present consumption. Production of butyl acetate and alcohol from grain at points other than Illinois and Indiana has been abandoned, molasses to be the raw material used for February production. Purchase of the Puerto Rico blackstrap molasses surplus over Puerto Rican home requirements was reported arranged.

The quicksilver situation on spot became somewhat steadier; at least, price declines stopped and resistence to further drops appeared to be developing. However, in view of government held stocks being sufficient for two years consumption, it may be well to recall that when World War No. II began in September, 1939, quicksilver stood at $82 per flask for domestic and $78 per flask for European metal, against the present mine price of $125 and the spot price of $135.

Prices Advanced

Camphor, synth., ½c. per lb.

Prices Reduced

Ascorbic acid, $3 per kilo.
Nicotinic acid, $1 per kilo.
Riboflavin, $61.70 per kilo.
Thiamine hydrochloride, $56 per kilo.

Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
243.9	243.9	246.2	240.1

Reports of the Department of Commerce by 124 wholesale druggists, whose 1943 sales aggregated $318,810,000, show a gain of 15 percent over 1942. Their yearend inventories were 16 percent larger than at the end of 1942. Sales of 2,196, reporting retail druggists, aggregating $15,638,012 in December, were 20 percent above 1942 figures for that month, and up 24 percent on the year's total.

Offerings of glycerin, diethylamine, and resublimed iodine listed in some of our market reports are being made by the Regional Redistribution Division of the War Production Board, Empire State Building, New York City. Sales will be in accordance with WPB regulations governing excess and idle inventories.

Acid, Ascorbic.—War Food Administration on January 12 bought 66,270 kilos at $30 per kilo. Prices down $3 to basis of $27 per kilo in 30-kilo lots.

Acid, Diacetone Glusonic. — War Food Administration on January 14 bought 3,600 pounds at $6.90 per pound.

Acid, Nicotinic.—Prices reduced to $7 to $7.30 per kilo. Established a new and record low price for the article.

Alcohol. — Arrangements between the Puerto Rico producers of blackstrap molasses and the Defense Supplies Corporation, setting prices for the Puerto Rico production at 13.6c. per gallon, reported effected. Some 21,000,000 gallons reserved for Puerto Rican home consumption for rum making and cattlefeed. Total island production indicated between 70,000,000 and 75,000,000 gallons. Means increase in supplies available for industrial alcohol production where and to that extent permitted by Federal agencies.

Ammonia Benzoate.—Firm in local quarters at fully maintained prices. Demand moderate, but very steady. Little opportunity for competition because of supply situation.

Bismuth Metal and Salts.—Demand and supply hold without change. Consumption accounts readily for the quantity of metal available. Hence production of salts is held within limits that discourages development of a competitive tendency.

Butyl Acetate.—Production at points other than Illinois and Indiana in February will be mainly from molasses. The schedule is:—Tanks, 18c. per pound; drums, carlots, 19c.; less carlots, 19½c. Use of grain in Louisiana, Baltimore, has been dropped.

Butyl Alcohol. — No production scheduled for February involves use of grain. Molasses main raw material. Schedule is:—Tanks, 18½c. per pound; drums, carlots, 19½c.; less carlots, 20c. Production from grain centers in Illinois and Indiana.

Castor Oil.—Imports of castor beans continue. Total arrived as reported last week was 5,332,200 pounds. Since January 1, the overall total is now 33,025,950 pounds. Provides an excellent reserve stock for oil production. Sales volume reported good.

Chicago, Feb. 3.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 14½c. per pound; drums, less than car lots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, car lots, 14¼c. per pound; drums, less than car lots, 15c.; tanks, 13½c.

Codliver Oil.—Holds very firm and stable in price and moves in volume about in line with supplies actually available and in sight. Arrival of 945 drums reported.

Corn Syrup.—War Food Administration on January 14 bought 183,400 pounds of this material. The market remains under complete price stabilization on domestic goods. Believed that imports may be subject to fewer problems in the future. Price far above domestic material.

Diethylamine.—WPB Regional Redistribution Division has offered for sale from surplus inventories 85 pounds.

Emetine. — Supply situation continues very tight. Some relief may come from negotiations looking to permission to charge raw material prices on spot that are sufficiently in line with primary market prices to permit importers to do business.

Eserine.—Offered only in very small quantities because production is almost negligible due to the raw material situation.

Fishliver Oils.—New price setup of OPA designates oil containing 200,000 units or more of vitamin A per gram as a concentrate ceiled at 30c. per million units. Concentrates, same price. Supply situation in main primary market discouraging as to livers. Mexican shark catch not extensive nor profitable thus far, also. Prices in the Bay of Lower California leaves little profit margin for producers. Seattle recently reported arrival of 74,032 pounds of soupfin shark carcasses during week ended January 22. January-November, 1943, production of vitamin A livers was 11,433,853 pounds; vitamin A oils production, 77,025,420 A units. Stocks of vitamin A oils, November 31, 48,348,230 million units.

Los Angeles, Feb. 3.—Reports indicate that the position of fishliver oils is still very tight. Scarcity of livers prevails and hence production of vitamin oils is curbed at least enough to keep sales at ceiling limits. Prices paid for livers also keep the prices for oil from moving to lower levels. The market was one of firm to strong undertones that accompanied the total absence of any tendency toward competition at the present time.

San Francisco, Feb. 3.—From a position of unsettlement characterized by declining prices, the quicksilver market here has reverted at least to stabilization on the basis of $125 to $130 per flask. Sales were reported at $125 for spot delivery and at $130 for deliveries to be made a month hence. Producers indicate that $125 is the lowest they can go without shutting down production. A substantial curtailment of output is expected to come in two or three weeks, which might result in a pickup after that time. Some of the transactions suggested that consumers were seeking to establish a lower net average cost on stocks in hand.

Glycerin.—Refiners expect to experience an increase in the consumption of their product beginning in February. The WFA easing of allocations came too late to be reflected in consumer takings in January. For-

For current prices see alphabetical listing beginning on page 9.

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eign glycerin not playing a part in present situation that finds plenty of glycerin and a real need to increase its movement to consumers. Government still holds a stock of imported goods but it is thought to be moderate and is not being pushed on the market. WPB Regional Redistribution Division has offered for sale from surplus inventories 8,000 pounds.

Chicago, Feb. 3.—Glycerin prices for both chemically pure and high gravity are:—Tankcar, 14c. per pound; drums, car lots, 14¼c.; drums, less than car lots, 14¾c.

Iodine.—WPB Regional Redistribution Division has offered for sale from surplus inventories 1,190 pounds.

Menthol.—Arrival of nine cases of natural menthol reported. Brazilian raw material crop reported to be late and delay in menthol production seems likely. Stocks of Brazilian goods available on this market show a relatively high cost and consists only of production last year. Booking of goods to come from 1944 production continues uncertain and lacking the needed reliability of shippers in the meeting of their contract obligations.

Mercurials.—No further price developments came in the quicksilver derivatives. However, the market was soft and spongy because of the far from stable position of raw material, though price declines in the latter have stopped in this market. Mercurials now being sold at the reduced prices established in the previous week show a high cost since they are made from quicksilver costing far higher than it can be replaced for at this time.

Milk Powder.—Reports concerning operations by the Food Distribution Administration have not come to hand. Continued buying is a definite certainty.

Molasses.—Puerto Rico blackstrap will be sold at 13.6c. per gallon under terms of a new contract between a Federal Government agency and the producers' association on the island. Details elsewhere.

Potash Citrate.—Close control of the available supply necessary because production has little chance for increasing substantially. Is effected by voluntary administration of stocks by producers.

Quicksilver.—Dealers in the spot market indicated that the market on the Pacific Coast was $125 per flask early last week. Local quotations were held at the $135 to $140 per flask basis reached during the previous period. Considerable selling resulted from consumers disposition to seek a lower average cost of their raw material. Much metal now in hand of the manufacturers of mercurials was bought at the top of the market.

Quinine.—Much is said regarding crops of cinchona bark in Central America eventually being sufficient to supply hemisphere quinine requirements, but cultivation there eventually will encounter Dutch bark production in the Netherlands East Indies. Quinine produced there under the Japanese occupation recently reported in the Bay of Biscay when a blockade runner to German held territory was sunk.

Riboflavin.—Producers have reduced prices to $280 per kilo. War Food Administration on January 12 bought 140 kilos at $380 per kilo.

Salicin. — Inquiries reaching the market last week could not be translated into purchases. The market lacked stocks. Consumption insufficient to encourage possible production in this country. England the normal producer and production there depends on availability of raw material obtained from Belgium.

Santonin.—Steady in price and moving moderately, when at all. Resumption of movement in larger volume about due if Spring needs for worming stock are to be met.

Soda Benzoate.—Covering of requirements during the coming Summer is due to get under way. Domestic production not likely to provide anything like a substantial surplus in available supplies.

Soda Perborate.—Sales of the N. F. quality for medicinal account maintained in good volume by local distributors. Prices nold stabilized.

Theobromine. — Nothing like the normal stocks of this article is possible because of the raw material situation. Complete allocation prevails and sales are at ceiling levels.

Thiamine Hydrochloride.—Producers have reduced prices to $200 per kilo. Purchases made by the War Food Administration January 12 totaled 5,080 kilos at $250 per kilo.

Thymol.—Excellent domestic production provides no surplus for reserve purposes. Considerably more could be sold if available. The production from coaltar raw material alone is to be had.

Cellophane Used to Prevent Infection of Burns

A wrapping of moistureproof cellophane, acting as a barrier against germs which might infect the wound from the outside, is a feature of an improved pressure dressing treatment for burns and other wounds. The technique, which is being employed by Dr. Neal Owens, professor of plastic surgery at Tulane University Medical School, is described in a recent issue of "Surgical Clinics of North America."

Photographic Film Data: 1943

Production of photographic film for military, lend-lease and civilian purposes in the first nine months of 1943 averaged 137,676,000 square feet per quarter, 16 percent more than in 1941, the War Production Board has revealed. Information on production and shipments of photographic film will be released quarterly by the board in the future, in line with its new policy of supplying business with more statistical data. The figures shown below cover eight manufacturers, representing virtually the entire industry. They include all types and sizes of still and motion picture photographic film.—

	Production	Shipments (sq. ft.)
1941—		
Quarterly average..	119,000,000	.....
1943—		
First quarter.....	141,874,000	125,320,000
Second quarter.....	142,503,000	141,581,000
Third quarter.....	128,951,000	136,527,000
Quarterly average—three quarters....	137,676,000	134,476,000

Drug Window Display Winners Named

Higger's Drugs, Washington, D. C., has won the 1943 National Pharmacy Week window display contest. In recognition of the professional display Pharmacist Frank Higger will receive the Robert J. Ruth trophy, an annual award made possible by the Federal Wholesale Druggist's Association. First prize in the college division of the contest went to the Southern College of Pharmacy, Atlanta, Ga.

Oberst Heads Biochemistry Research for Merrell

Dr. Fred W. Oberst has been appointed head of the newly organized biochemistry department of the research laboratories of the William S. Merrell Company, pharmaceutical manufacturer, Cincinnati. Prior to his recent transfer to Cincinnati, Dr. Oberst was actively engaged in biological research on narcotics and drug addition at the United States Public Health Service Hospital, Lexington, Ky.

Breon Co. Expands

George A. Breon Company, pharmaceutical manufacturer, Kansas City, has taken over an additional six-story, 40,000 square foot building at Baltimore avenue and 20th street Trafficway, in that city. The structure was acquired from the Liquid Carbonic Company. The general and executive offices and the distribution facilities of the Breon Company will occupy the new building.

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Name	Bulk in Fl. Oz. per Lb.	Metallic Oxide	*Extractable Acid	Softening Point
Aluminum Stearate Technical M	52	15%	6%	170° C.
Aluminum Stearate Technical D	54	8.4%	7%	157° C.
Aluminum Stearate Technical D 5-47	58	8.7%	4.8%	160° C.
Aluminum Stearate Technical D Fluffy	70	8.2%	8%	148° C.
Flatting Agent No. 22	70	8%	7.5%	.....
Aluminum Stearate Technical T D (Formerly named No. 1-49)	80	7.7%	15%	130° C.
Aluminum Stearate Technical T	48	6%	25%	109° C.
Aluminum Stearate Technical T for Paint & Varnish Manufacture	76	6%	24%	115° C.
Calcium Stearate Technical	35	9%	1.5%	125° C.
Calcium Stearate Impalpably Powd.	125	9%	1.5%	146° C.
Zinc Stearate U.S.P. XII	160	14%	2%	118° C.
Zinc Stearate U.S.P. XII "S"	160	14%	2%	120° C.
Magnesium Stearate Technical	40	6.8%	2.5%	125° C.
Magnesium Stearate Impalpably Powd.	140	6.8%	2.5%	125° C.

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Obituaries

Charles Copeland

Charles Copeland, former secretary and director of E. I. du Pont de Nemours & Co., Wilmington, Del., died February 3. He was seventy-six years of age.

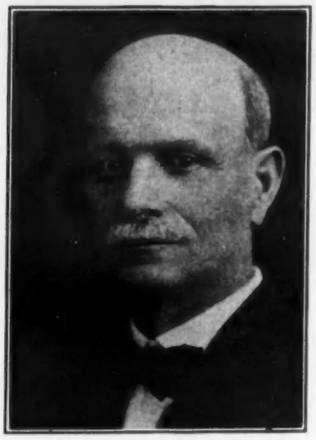
Born in Englewood, N. J., Mr. Copeland was graduated from Harvard University in 1889. He became associated with the old E. I. du Pont de Nemours Powder Company in 1903 as assistant treasurer, and continued in that capacity after the company was reorganized. He was elected secretary and director in 1921, and retired in 1942.

In 1904 he married Miss Louisa D'Andelot du Pont, who died several years ago. Surviving is a son, Lammot du Pont Copeland, a director and member of the finance committee of the du Pont company.

Frank Clayton Groover

Frank Clayton Groover, a recently retired vice-president of the Groover-Stewart division of McKesson & Robbins, Inc., Jacksonville, Fla., died January 28. He was eighty-three years of age.

Born in Brooks county, Ga., Mr. Groover was educated at Eastman's Business College, Poughkeepsie, N. Y. After living in Savannah, Ga., for two years, Mr. Groover obtained a position as a clerk in Barnett National Bank in



F. C. Groover
When he was N.W.D.A. President

Jacksonville, Fla., in 1884, a position he held until 1885 when he joined with M. W. and H. E. Stewart in founding the Groover-Stewart Drug Company, serving as president after 1901. McKesson & Robbins acquired the business sixteen years ago, at which time Mr. Groover became a McKesson vice-president. The Stewart interests had been sold to the late D. W. Ramsauer and Sam Dunlap. Mr. Dunlap is now chief executive of the division at Jacksonville. In 1921 and 1922, Mr. Groover was president of the National Wholesale Druggists' Association.

Surviving are two sons, Allen Groover, of Jacksonville, and Overton Groover, of this city.

Francis P. Dunnington

Francis P. Dunnington, widely known industrial chemist, died in his home in Charlottesville, Va., February 3. He was ninety-two years of age.

Mr. Dunnington was born on March 3, 1851, a son of William and Sarah Dunnington. He obtained a B.S. degree at the University of Virginia in 1871, and C.E. and M.E. degrees there the next year.

He became adjunct professor of analytical chemistry at the university in 1872, and was later professor in analytical, agricultural and industrial chemistry there. He discovered the universal distribution of titanic oxide in the soil.

In 1935 he won the Charles Herty Medal for contribution to the industrial progress of the South.

Joseph A. Crombie

Joseph A. Crombie, manager of the distillation division of George Luedders & Co., essential oils, this city, died January 29. He was seventy-seven years of age. Mr. Crombie had been identified with the essential oil industry for practically his entire life. Under the firm name of J. A. Crombie & Co., he conducted a distillation business on his own account until, in 1916, the plant was taken over by the Luedders company. He remained as manager for more than twenty-five years. He was a member of the company's Twenty-five Year Club.

Surviving are a son and two daughters.

Samuel L. Hilton

Dr. Samuel Louis Hilton, long prominently associated with U.S.P. and N.F. revision work and the activities of national organizations of pharmacy, died in his home in Washington, January 30. He was seventy-eight years old and had conducted a prescription pharmacy in Washington for fifty-five years.

Dr. Hilton was a native of Washington, scion of a Colonial family. He was a graduate of the National College of Pharmacy, and had received several honorary degrees in his profession. He was also awarded the Remington Honor Medal in 1935. He had occupied the presidency of the American Pharmaceutical Association —also chairman of the council—the District of Columbia Retail Druggists Association, and the District of Columbia Veteran Druggists Association. He was a member of three U.S.P. conventions and three times treasurer of the organization. It was largely through his initiative and strenuous labors that the American Institute of Pharmacy came into being and that its headquarters building in Washington was erected and equipped. For eight years he was a member of the District of Columbia Board of Pharmacy.

Dr. Hilton's immediate survivors are two stepdaughters, Mrs. Maxwell Poerstel, Bethesda, Md., and Mrs. William H. O'Brien, Miami, Fla., and one stepson, Charles L. Williams, Washington.

Charles G. Buck, Los Angeles, Calif., retired chemist, died January 19 at his home. He was eighty-one years old. Surviving is his wife, Mrs. Johanna Buck.

Levy J. Carter, naval stores producer, died recently. He was fifty-eight years of age.

William Cook, president of the Hudson Oil Company, this city, died February 3. He was sixty-seven years of age.

Henry M. Plateau, vice-president and general counselor of Helena Rubinstein, Inc., cosmetic firm, this city, died recently. He was sixty-six years of age.

John T. Furlong, vice-president and treasurer of the Pittsburgh Oil & Gas Company and a director of the Barnsdall Oil Company, died recently. He was sixty-one years of age.

Arthur D. Kunze, an executive of the Rubber Manufacturers' Association of America, died in Hastings-on-the-Hudson February 1. He was forty-five years of age.

Raymond J. Murray, purchasing agent for Bayonne, N. J., from 1931 to 1939, died February 2 in Bayonne. He was forty-four years of age.

Charles Jenks Pilling, president of George P. Pilling & Son, manufacturer of surgical instruments, Philadelphia, died February 1 in Lansdowne, Pa. He was eighty years of age.

Joseph M. Shine, a director of the Tanners Hide Bureau of the Tanners Council, died February 2 in Mount Vernon, N. Y. He was sixty-eight years of age.

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Puerto Rico to Get 13.6c. Per Gal. for Blackstrap

—Continued from page 5

definitely how much will be retained for rum manufacture, but the rum industry has a capacity of about 21,000,000 gallons annually.

It is understood here that the Cuban blackstrap holders have no quarrel with the 13.6-cent price being offered them also by DSC, and that the question to be negotiated is the amount of alcohol that Cuba is to make for shipment to the United States. It is reported that Cuba has the capacity to produce upwards of 75,000,000 gallons of alcohol, but it is not believed that this would all be 190 proof. The Cubans also are insisting upon retaining a large volume of the blackstrap for rum manufacture.

The American delegation negotiating with the Cubans is headed by Sidney Scheuer, chief of the Bureau of Supplies of FEA. Other members are Samuel Sabin, vice-president of DSC; Earl Wilson, head of the Sugar Division of Commodity Credit Corporation; James Fergusson, technical consultant to FEA and DSC, and John Ayre, commodity specialist of FEA.

Molybdenum Deposits Mapped

Molybdenum and tungsten deposits near Gold Hill, Gunnison county, Colo., have been studied and mapped by the Geological Survey. The report and maps are being placed in open file at the Geological Survey in Washington, the survey field office and the Bureau of Mines office in Denver, Colo.

Pollock Business Incorporated

The firm of H. F. Pollock industrial and fine chemicals, Montreal, has been incorporated under the firm name of H. F. Pollock & Co., Ltd. The new company will carry on business as heretofore but on a broader financial basis.

Andler Advanced

William R. Andler, formerly vice-president, has been elected president of Ritchie & Janvier, Bloomfield, N. J. He succeeds William McKinney, who becomes chairman of the board. Mr. Andler, will continue to direct sales and merchandising.

OPA Simplifies Financial Reports

—Continued from page 4

only one copy will be sent with the copies of the form mailed to each company. Companies will be requested to return only two copies of the report this year instead of three. These changes add greatly to the substantial saving of paper that has been effected by the revision.

The revised quarterly report, form B, now consists of a shorter sta ement of profit and loss with an analysis of sales. Firms are requested to return this form within one month of the close of their quarterly period. Only those companies which receive requests to file should submit the reports to OPA.

The information supplied by those returning the forms is held confidential by OPA. A notation on the forms states that information from individual company reports will be made available only to other government war agencies which have the right to require such information directly from the companies. Except in these cases, information given to other government agencies is released in totals only, and information concerning individual companies is not made available.

Releasing information to other agencies which would otherwise send reporting forms directly to the firms themselves effects a reduction in the number of forms that companies must file.

Tremolite Talc Mining Held Health Hazard

—Continued from page 4

trations of tremolite talc dust. For this reason the State Labor Department's study has wide application, Commissioner Corsi said.

Eighteen of the men showing marked fibrosis were found not to have been engaged in any dusty industry other than the talc. Of these, fifteen worked in talc mills, three in the mines. Other phases of the study also showed that fibrosis was relatively more prevalent among millers than among miners. With one exception, the men with fibrosis were all forty years of age or older and had been exposed to talc dust for at least ten years. Thirteen of the eighteen had one or more symptoms referrable to the lungs. The group showing fibrosis presented an undernourished and drawn appearance.

Remedial procedure in the control of tremolite talc dust has been taken under existing industrial code rules, Commissioner Corsi said, and the study of talc hazards has been extended to those industries where talc is used as an ingredient in the products manufactured. If existing code rules are found inadequate to complete control of the hazard, Commissioner Corsi added, they will be revised or new rules recommended which will meet the requirements.

A complete technical report of the talc hazard study so far, has been prepared by Drs. Leonard Greenburg, William Siegal and Adelaide Ross Smith of the State Labor Department's Division of Industrial Hygiene. A limited supply of free copies of the report is available. Address requests for copies to Labor Publications Editor, Labor Department, State Office Building, Albany 1, N. Y., or 80 Centre street, this city.

Merck Expanding 'DDT' Output for Armed Forces

At the request of the government, Merck & Co., manufacturing chemists, Rahway, N. J., is expanding its present facilities for large-scale production of the insecticide known as "DDT" which now is being used by the armed forces to protect them from typhus fever, an infectious disease caused by the bite of the typhus-infected body louse.

Although Merck & Co. have for many years manufactured, for other uses, one of the basic chemicals now employed in making "DDT," the total production of the new insecticide will for the present be for exclusive use of the army and navy.

Hooker Electrochemical To Increase Working Capital

Hooker Electrochemical Company, Niagara Falls, N. Y., has filed a registration statement with the Securities & Exchange Commission, covering the proposed issuance and sale of 50,000 shares of $4.25 dividend cumulative preferred stock, the proceeds to be used for increasing its working capital and to retire outstanding 6 percent preferred stock.

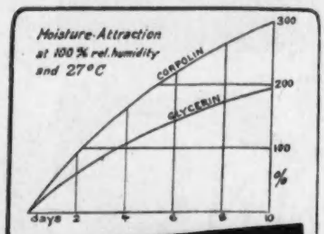
The company plans to redeem its first mortgage bonds, due 1952, of which $2,298,000 outstanding, at 102¼. The 9,983 shares of 6 percent preferred outstanding will be redeemed at $105 per share. The balance of the proceeds would be applied to working capital.

Collins Joins Penna. Salt

Dr. Donald L. Collins, formerly assistant professor of entomology and entomologist of the Experimental Station at Cornell University, and also recently associated with Boyce Thompson Institute, Yonkers, N. Y., has become affiliated with the Pennsylvania Salt Manufacturing Company, Philadelphia. He will have immediate charge of development of new and improved agricultural chemicals in furtherance of the company's recently announced agricultural chemicals division program.

Quicksilver Mines Mapped

The Horse Heaven quicksilver mining district, Central Oregon, has been mapped and studied by the Geological Survey. Copies of the report and maps have been placed in open files at the offices of the State Department of Geology and Mineral Industries, in Portland, Ore.; northwestern regional office of the Geological Survey, Spokane, Wash.; and the Geological Survey, Washington, D. C.



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Textile and Leather Chemicals

Reductions in the prices of egg products and tentative advances in the quotations of corn products were outstanding features in the textile and leather chemicals trade during the past week. The overall demand for textile processing agents continues good, in line with activity in the consuming field. Call for leather treating compounds is also being maintained.

Average weekly consumption of apparel class raw wool in November, 1943, totaled 10,683,000 scoured pounds, compared with 10,855,000 pounds in October and 11,097,000 pounds in November, 1942, according to statistics collated by the Department of Commerce. That agency also reports that the operation of woolen and worsted looms was 3 percent less during the four-week November period than in the five-week October period. Cotton ginned through January 16 in the 1943-44 season amounted to 10,938,138 bales. At the same time in 1943 the comparable figure was 12,116,690 bales; and two years ago, 10,225,179 bales.

Shoe manufacturers have been given a 60-day extension on the period within which they are permitted to use inventories of shoe cement containing crude rubber, it was announced February 1 by the Office of Rubber Director. The deadline is now April 1. The War Production Board on February 1 ordered tanners to set aside, in addition to their regular military orders, a stated amount of monthly civilian production specifically for the production of infants', children's, and misses' footwear. The order is expected to increase leather for such purposes by approximately 20 percent. Postponement of the effective date of amendment 3 to revised price schedule 9, covering hides, kips, and calfskins, from February 1, to June 1 was also announced February 1 by the OPA.

Prices Advanced

None

Prices Reduced

Albumin, egg, 7c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
266.9	272.8	272.8	260.2

Chemicals

Alumina Chloride. — Demand from textile industry continues satisfactory. Market tone steady.

Ammonia Bichromate.—Supplies remain tight, under complete allocation by WPB. Quotations show no change.

Antimony Salt.—Shipment to regular consumers sustaining steady price schedule.

Enzymes. — Textile finishers taking enzymes in satisfactory volume. Market tone steady.

Hydrogen Peroxide. — Supplies remain very tight. Deliveries still being made under WPB directive, which has not eased supplies of hydrogen peroxide. Certain trade quarters expect formal allocation to be announced within short time. Price schedule shows no change.

Potash Bichromate. — Tight supply condition still in effect, principally because of labor and plant equipment limitations. Essential requirements are reported to be receiving sufficient material. Quotations unchanged.

Soda Sulphide. — Supplies not too tight. Call from textile field maintaining steady schedule of quotations.

Sulphonated Oils. — Sulphonated castor oil continues in easy supply, with demand gradually being rebuilt as users of replacement materials during its tight period resume using turkey red oil. Gradual expanding call for sulphonated tall oil is reported to be taking place. Sulphonated edible oils remain in tight supply. Quotations show no change.

Wetting Agents. — Branded higher alcohol sulphonates continue very tight, with armed forces consuming material in salt water soaps and in laundering under diverse water supply conditions.

Dyestuffs

Archil.—Stocks of French item long exhausted. Time when material will again be available problematical.

Fustic. — Satisfactory shipment to regular consumers holding market in steady position.

Hypernic. — Demand maintaining normal levels. Quotations show no change.

Sizing Materials

Albumen, Blood.—Production keeping abreast of current demand. Ordering reported to be rather good. Prices unchanged.

Albumen, Egg.—Offerings of edible egg albumen have become light, especially so since the price reduction of 7c. a pound put into effect as of February 1 places an additional squeeze on producers. Reported that material when now sold is at a loss. New price places granular material at $1.97 per pound, and powdered material at $2.02 per pound in this city in barrels. Notwithstanding record shell egg production, supply situation of egg albumen is not expected to show improvement while current producers' price problem continues. Very little technical material is available.

Corn Sugar.—Increased demand in recent weeks has piled up orders considerably, causing delays in the filling of orders of three weeks and more. As with other corn products, Office of Price Administration is now considering a price adjustment, which will be made retroactive to January 24. Advance was reported necessary by recent increase in corn ceiling prices granted farmers, which increased cost of basic materials of millers.

Egg Yolk.—Powdered egg yolk prices were reduced 7c. per pound as of February 1, in accordance with sliding ceiling governing material. Dried yolk is now priced at $1.20 per pound in this city in barrels. Price of dried whole egg was also reduced 3½c. per pound on February 1, placing material presently at $1.26½ per pound. The War Food Administration announced February 2 that under 1944 allocation plans 75 percent of the anticipated production of shell eggs during the year will be allocated to civilians. It was thought that the overall supply of eggs during the year may possibly exceed 61 billion, representing an increase of about 50 percent above production in the pre-war years 1935-39. Supplies of dried whole eggs in 1944 are expected to amount to more than 297,000,000 pounds.

Starch, Corn.—Delay in shipment of cornstarch lengthens as heavy demand continues to pile up backlogged orders. It is reported that the OPA is now considering a price adjustment on starch and other corn products prices, which will be made retroactive to January 24. Opinion expressed that advance in starch prices may be between 60c. and 70c. per hundred pounds under schedule to be established. Visible supply of corn in the United States increased 2,084,000 bushels during the week ending January 29, according to figures compiled by the Chicago Board of Trade. The War Food Administration has reported that on January 13 purchases of 3,049,200 pounds of powdered, and 1,948,100 pounds of pearl cornstarch were made for shipment under lend-lease.

Starch, Potato.—Supplies are showing signs of tightening. Demand continues heavy. Quotations show no change.

Starch, Tapioca.—Calls for material qualified under WPB limitation order continue good. Supplies ample. Reported that recent importations totaled 2,682 pounds.

Tanning Materials

Divi-Divi. — Demand characterized as routine. Supplies ample. Quotations steady.

Nutgalls.—Demand slow. WPB Regional Redistribution Division of the War Production Board, Empire State building, this city, has offered for sale 51,000 pounds of nutgalls, which will be sold in accordance with regulations governing excess and idle inventories.

Quebracho. — Good demand being maintained. Freight space allotments during week were reported to have improved somewhat. Market tone steady.

ALBUMENS

OPD—2-7-1944 57

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Botanical Drugs, Spices, Gums

Trading in botanical drugs was a quiet affair last week. Orders were not numerous nor did they usually call for quantities much, if any, in excess of jobbing lots. It may well be that the prevailing scarcities in items of domestic origin have become so well known and understood as to have reduced activity on the part of buyers.

Notable efforts in the direction of securing even the smallest-sized lots of scarce items in the country were reported being made during the period under review. Ordinarily, small lots of five to twenty-five pounds might be ignored, but the present situation is such that odd lots, however small, are sought for almost eagerly, and it is significant that even such quantities do not crop up very often. Rarely have individual and depot warehouse holdings been so reduced as they are at present.

Country prices wanted by firsthand gatherers have an upward trend, and there seems to be no way to check the advances asked by those who actually collect merchandise. The situation has, in minor part, been reflected in somewhat higher spot prices for fenugreek seed, goldenseel root, select sassafras bark, serpentaria root, rossed white pine bark, and thin natural wild cherry bark. But in many instances the prices asked in the primary market exceeds those asked by local dealers. In other words, in the above materials, as well as in many of the very scarce botanicals, spot quotations are below the current aksing prices in the country. The coming collection will be, as far as the quantity of goods collected and the prices to be paid for the same, one of the most difficult yet also most interesting, in the history of the trade.

Prices Advanced

Drugs

Fenugreek seed, domestic, 1½c. per lb.
Goldenseal root, whole, 25c. per lb. powdered, 25c. per lb.
Orange peel, Haitian, sweet, 2c. per lb.
Sassafras bark, select, 5c. per lb.
Serpentaria root, 2c. per lb.
White pine bark, rossed, 4c. per lb.
Wild cherry bark, thin, natural, 1c. per lb.

Other Articles

Cloves, ½c. per lb.
Laurel leaves, Greek, 2c. per lb.
Sunflower, Calif., large, 1½c. per lb. medium, 1½c. per lb. poultry, 2c. per lb.

Prices Reduced

Drugs

Arabic gum, ½c. per lb.
Balm of gilead buds, 15c. per lb.

Other Articles

Ginger root, Cochin, unbleached, ¼c. per lb.
Hempseed, sterilized, ¼c. per lb.
Mustard seed, Montana yellow, ¼c. per lb.
Washington, yellow, ¼c. per lb.
Paprika, Portuguese, extra fancy, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Botanical Drugs

Last week.	Prev. week.	Last month.	Last year.
261.1	260.3	260.5	257.6

Balsams

Copaiba.—Demand quiet and usually for jobbing quantities. Prices hold very steady.

Fir.—Reserves conservative on this market and distribution is rather thin. Prices show firm undertones. Little competition.

Barks

Black Haw.—Few lots of root bark obtainable as replacements in primary market points. Local position one of substantial strength. Increase in collection reported desirable next Summer.

Cascara Sagrada.—Not much was left of the old crop holdings in the primary market, according to latest reports. Labor will be a prime problem during the next peeling season.

Sassafras.—Select bark reported higher at 60c. to 65c. per pound as scarcity abounds and replacement cost run high in the country where little seems available for replenishment of spot stocks.

White Pine.—Rossed bark of N. F., quality firmer at the higher level of 14c. to 15c. per pound. Very little is still obtainable at any point.

Wild Cherry.—Thin natural higher on spot at 14c. to 15c. per pound. N. F., quality very firm at 20c. to 22c. Stocks very small. One large consumer reported still trying to secure goods in primary market.

Beans

Calabar.—Market routine in all aspects. Most dealers have none.

Vanilla. — Substantial quantities have been bought to come forward. The main problem is to get an allotment of shipping space to move the much needed beans to this market. It took a shipwreck to bring a ship here with vanilla beans aboard some months back and future arrivals will depend solely on transportation becoming available. Primary market controlled by the French Committee for Liberation in North Africa.

Berries

Cubeb.—No berries known to be available on this market.

Raspberries.—Dealers looking forward to new crop for replenishment of the much reduced spot stock of this material. Present position one of firmness.

Flowers

Chamomile.—The Argentine has severed relations with the Huns and the Nips, which might mean that the Federal government here may eventually loosen its tight control over licenses to import merchandise from that country. New crop shipments expected.

Clover.—Very scarce in all directions. Most local houses report no stocks. Good collection needed during the coming season.

Linden.—Only small quantities now in hand and the spot position approaches total exhaustion of stocks.

Saffron.—Very steady and in keeping with firmness prevailing in the Spanish market. Not much spot activity during the past week but enough was done to warrant firm maintenance of recent quotations.

Gums

Arabic.—Rather easy on spot at the present time and reported on the lower basis of 12½c. to 13c. per pound. Based on basic costs to primary market shippers, it is believed here that the replacement values cannot work lower until said basic costs are reduced.

Locust Bean.—Very firm and in moderate supply. Prices usually nominal.

Mastic.—None known to be available. Intimated that there are buyers awaiting opportunity to pay upwards of $6 per pound for the smallest kind of lots, when available. Primary market still in German hands.

Olibanum.—Fair sized, but not large, holdings exist on spot on the basis of prices definitely firm and rarely shaded even when firm orders develop. Sellers generally show reserve.

Sandarac.—Reported that there are government orders for products involving this gum that cannot be filled because of its scarcity. Last sales were at $1.40 per pound.

Herbs and Leaves

Deer Tongue.—Very scarce. Virtually unobtainable on spot, save occasionally, and then usually by customers with a historical standing with an individual supplier. Little remains in first hands.

Henbane.—Sufficient stock to take care of probable needs until replacements arrive was believed to exist locally. The situation continued to be one of complete stability.

Laurel.—Portuguese was quoted last week only on a nominal basis. No more supplies remain in Portugal. Greek material has strengthened in sympathy with the position in Portuguese goods and last week rose to 27c. to 28c. per pound. Some Turkish appeared on the market at 32c. to 32½c.

For current prices see alphabetical listing beginning on page 9.

"...with firmness in the right as God gives us to see the right... let us strive on to finish the work we are in..."

Back The Attack!

OPD—2-7-1944 59

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CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
CUMIN SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
NUX VOMICA
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVIN OIL
SAVORY
SENNA LEAVES AND PODS
SESAME SEED, Hulled and Natural
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
UVA URSA LEAVES
VALERIAN ROOT

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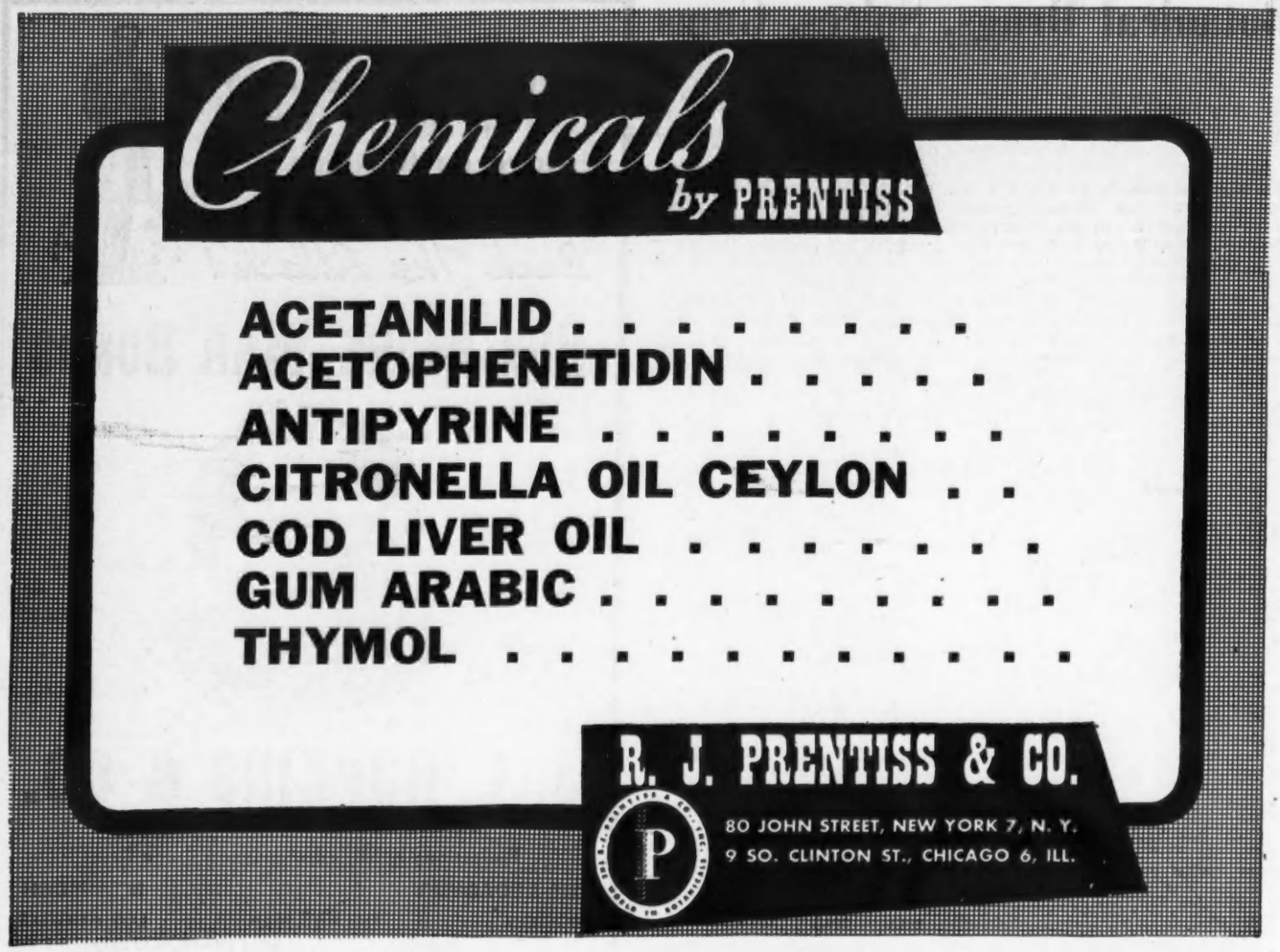
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Oregano.—Two kinds were offered; curly leaf at 13c. to 13½c. per pound, and flat leaf at 12¾c. to 13¼c. per pound.

Thyme.—An arrival of 22 bags was reported. It was Spanish goods and was offered on the basis of 22c. to 23c. per pound.

Miscellaneous

Balm of Gilead.—New crop goods are coming into the primary market collection depots and the increase in supplies has eased the spot market back to $1.10 to $1.15 per pound.

Ergot.—Reserves on this market were in firm hands whose disposition to maintain a stabilized price position was in evidence. The holdings are fairly substantial and protect requirements well ahead.

Hops.—After January 31 the quantity of hops or hop products bought or contracted for shall not exceed a quantity which will cause the total quantity owed, bought, or contracted for to exceed the quantity used by the buyer for the manufacture of malt beverages in 1943. Purchases made after January 31 may be a total which, added to holdings on January 31, will equal the buyers' 1943 consumption.

Kamala.—No oversupply of this article exists in this market. Low stocks and very firm prices prevail in all quarters.

Roots

Blood.—It would be hard to get a delivery of this article on spot and attempts to buy even small quantities in the country have usually failed. A purely nominal market prevails at this time.

Goldenseal.—The spot market for whole at $6 to $6.25 per pound and powder at $6.25 to $6.50 per pound seemed to best describe a price position which is definitely strong because stocks are as definitely small. However, there is practically no trading at this time.

Helonias.—Orders for this root reached the spot market last week and went unfilled. Nor was it possible to pickup lots in the primary market, however small. The situation is so acute that stimulation of collection would seem a natural order for the coming season.

Rhubarb.—No strictly U.S.P. root is to be found locally in almost all quarters. An odd lot may exist here or there. The bulk of the present supply comes from India and is sold as "not U.S.P."

Serpentaria.—Hard to get in any spot quarter and apparently inside at 84c. to 85c. per pound, if and when a small lot may turn up. The primary market has been combed without success for such carryover as might exist.

Seeds

Anise.—No more seed from Ecuador was reported available. Nor is there any star seed left in most directions.

Caraway.—The price position developed no further change and the values held on the limited amount of inquiry reaching the spot last week.

Fenugreek.—Higher. Domestic, 14c. to 14½c. per pound; Indian and Morocco seed purely nominal. It may be that some seed may be eventually shipped from Morocco; attempts in that direction continue to be made.

Hemp.—Although acreage devoted to hemp cultivation has been reduced substantially, the spot price was found lower at 14c. to 14½c. per pound during the past week.

Mustard.—Reports from Montana showed dry weather continuing, a condition adverse to farming of this material. However, under competition, yellow seed was down to 10¾c. to 11¼c. per pound. Washington yellow was also shaded to 11¾c. to 12¼c.

Sunflower.—Conditions are not favorable for California production and the market continued to have a rising trend. Large seed was quoted 24c. to 24½c. per pound last week; medium, 23c. to 23½c.; poultry grade, 21½c. to 22c.

Spices

Cloves.—The market was higher at 18c. to 18½c. per pound and the forward position was also up a fraction.

Ginger.—Unbleached Cochin root was shaded to 26¾c. to 27¼c. per pound. The Jamaica market continued divided into two groups of shippers. One group attempts maintenance of a price floor. The other has not joined in the scheme to prevent price reductions.

Paprika.—Portuguese extra fancy material continued to decline. reach-

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Black Haw Bark
DESCRIPTION
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CONSTITUENTS
Ash . . . . . much
Glucoside . . . . . water-soluble
Resin 2.5%
Starch . . . . . fair amount
Tannin . . . . . a little
PROPERTIES
Alterative—change without perceptible evacuation.
Astringent—constrings organic texture.
Diuretic—increases secretion and flow of urine.
Ophthalmicum—eye disease remedy.
Tonic—strengthens and invigorates.
PHARMACEUTICAL PREPARATIONS
Elixir, N. F. Fluid extract, N. F.
WAREHOUSE AND MILLS
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CRUDE BOTANICAL DRUGS
TRADE From Forty Nations MARK

ing the position of 38c. to 39c. per pound under competition.

Pepper.—Some Carolina red chillies shorts were offered at 50c. to 52c. per pound. Longs stood at 30c. to 31c. Louisiana goods were exceptionally firm.

Cinchona Plantings In Costa Rica Extended

—Continued from page 3

It was also reported at the same time by the Coordinator of Inter-American Affairs that Ecuador's production of cinchona bark for quinine has shown a steady rise monthly since July, 1943, when the United States made its first purchase of the Ecuadoran bark under the wartime cinchona program. While figures on production are not revealed, it was stated that the increase is the result of extensive explorations conducted to locate wild cinchona trees and the building of trails into sections of the country hardly penetrated before, to bring the bark out on muleback to railheads.

The coordinator said that, in furtherance of the development program, plans are under way to increase the efficiency of the cinchona processing plants in Ecuador, and the starting of nurseries to develop cinchona plantations as part of the overall program of building up hemisphere resources for war and postwar uses.

William C. Steere, of the Foreign Economic Administration, senior botanist with the mission in Ecuador, who recently returned to the United States, reported that the excellent production record of Ecuador is owing to discovery there of a high-yielding species known as *cinchona pitayensis*, or "yellow bark." This species, Mr. Steere said, previously had been known only in Colombia. Cinchona has been found in Ecuador in good quantities in high valleys, at 7,000 feet to 10,000 feet altitude. Exploring parties, Mr. Steere said, have received excellent cooperation from the Equadoran government, as well as from local officials, who correspond to mayors, in each village visited.

The 100,000 cinchona seedlings to be planted at Turrialba are of the high-yielding Ledgeriana type developed in the Far East from cinchona stock originally brought from South America. The seeds from the Philippines were planted temporarily at the Department of Agriculture's station at Glenn Dale, Md., whence they are being distributed to Latin America for the expansion of cinchona planting. Dr. Bressman said that the first batch of seedlings has done so well in Costa Rica that it is logical to undertake a larger-scale operation. He added that the development of a cinchona industry is well under way in Latin America and said, "I have great expectations for the establishment of quinine production in the Western Hemisphere on a solid and permanent basis."

Cinchona seedlings from Col. Fischer's stock have been distributed in Peru, Brazil, Mexico, Guatamala, Ecuador, Colombia, El Salvador, and Nicaragua.

Drug Shipments To Be Increased

—Continued from page 3

added, with the established policies of the Department of State and FEA in maintaining private trade operations wherever necessities of wartime control permit.

Shipments of drugs and pharmaceuticals from American suppliers will be subject to the usual exchange controls, to such normal and special import and distribution controls as are in effect in the countries of destination, and to export price regulations of the Office of Price Administration. Established procedure for review and approval of individual orders by the Anglo-American Middle East Supply Center in Cairo will also be followed.

After orders have been placed with American suppliers for drugs and pharmaceuticals, exporters will be notified of the grant of import licenses and approval by the Middle East Supply Center as soon as confirmation has been received by the New York Office of the Combined Agency for Middle East Supplies, 43 Exchange Place, New York City. Exporters should then file applications for export licenses with the Combined Agency for Middle East Supplies, either in New York or at the Washington Office which is located in the Hill Building, Washington, D. C.

Spices, Barks, Minerals Madagascar Rates Set

—Continued from page 5

der No. 243 approved January 29, are:—

Commodity	Base rate
Ad valorem cargo	3 percent
Bark, wattle	$13.50 W
Bark, mangrove	15.00 W
Barylium in bags	As minerals
Castor oil in steel barrels	30.00 W
Castor seed	20.00 W
Cinnamon bark	45.00 W
Cloves	40.00 W
Clove essence	3 percent ad valorem
Clove stems and cleanings	30.00 W
Copra	18.00 W
Copra cake	18.00 W
Corundum ore	As minerals
Empty tubes and cakes	15.00 W/M
Graphite	20.00 W
Graphite waste	15.00 W
Gum	25.00 W
Hog bristles	3 percent ad valorem
Mica in cases	20.00 W or 3 percent ad valorem*
Mica waste in bags	16.00 W
Oilseeds	20.00 W
Pepper	30.00 W
Tallow in casks	22.00 W
Tapioca	20.00 W
Tapioca flour	30.00 W
Vanilla	3 percent ad valorem
Wax, bees	38.00 W
Minerals—	
Value not over $40 per 1,000 kilos.	15.00 W
Over $40 but not exceeding $80 per 1,000 kilos	16.00 W
Over $80 not exceeding $200	18.00 W
Over $200 not exceeding $400	21.00 W
Over $400 not exceeding $600	28.00 W
Over $600 not exceeding $800	38.00 W
Over $800 not exceeding $1,600	45.00 W
Over $1,600	3 percent ad valorem

W—Indicates weight ton of 1,000 kilos.
M—Indicates measurement ton of 1 cubic meter.
W/M—Indicates weight ton of 1,000 kilos or measurement ton of 1 cubic meter, whichever yields the greater revenue.
* Whichever yields the greater revenue.

Botanical Exports from Spain

Records of the Grupo de Plantas Medicinales, Aromaticas y Ornamentales of the Sindicato Vertical de Frutos y Productos Horticolas show the following exports from Spain in July, 1943:—

	Kilos		
	United States	Germany	Other countries
Althea	.....	1,840	.....
Anise	.....	.....	5,870
Digitalis	.....	.....	4,000
Ergot	.....	150	.....
Gentian extract	.....	.....	900
Laurel leaves	.....	43,813	.....
Lavender flowers	.....	.....	441
Licorice extract	.....	.....	9,966
Licorice root	.....	8,220	.....
Locustbean gum	.....	12,005	8,400
Plantain	.....	.....	1,300
Rosemary	.....	.....	500
Sage	42,409	2,000	200
Thyme	34,518	391,807	.....
Uva ursi	.....	197,667	.....
Winter savory	2,925	.....	.....

National Lead Gets 'E' Award

Army-Navy "E" production award has been given to the National Lead Company's magnesium mining and milling enterprise, known as the Magnesium Reduction Company, of Luckey, Ohio.

BUY WAR STAMPS

McManus Joins Wyeth

William J. McManus has resigned as chief of the penicillin and drug facilities unit of the War Production Board, to become chief engineer for Wyeth, Inc., pharmaceutical manufacturer, this city. Wyeth, Inc., is producing penicillin.

Folic Acid Study Funded

A supplementary grant of $2,300 from the Office of Scientific Research and Development for continuation of folic acid studies at the University of Texas Biochemical Institute, under direction of Dr. Roger Williams, has been announced by the school's board of regents. Wilmon W. Meinke has been named as Dr. Williams' assistant on the project, which deals with extraction of vitamins from spinach.

Agar Produced from Seaweed

Agar-agar is being produced from seaweed found in the vicinity of the University College of Eire at Galway as a result of research by that institution, according to a British trade magazine. Ancient ruined warehouses have been changed into laboratories by the firm which is manufacturing the commodity.

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OPD—2-7-1944

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BRISTLES—22 cs, Stokby Co
CASTOR BEANS—11,493 bgs, 1,723,950 lbs, Industrial Trust Co
4,233 bgs, 643,300 lbs, First National Bank
1,055 bgs, 158,250 lbs, Irving Trust Co
4,016 bgs, 602,400 lbs, Central Hanover Bank Trust Co
997 bgs, 149,550 lbs, Commodity Trust Co
1,000 bgs, 150,000 lbs, Commercial National Bank & Trust Co
CHALK, PRECIP—400 bgs
CHEMICALS—2 cs, Lo Curto & Funk
CHINA CLAY—1,750 tons
COCOA BEANS—900 bgs, 180,000 lbs, J Aron & Co
900 bgs, 180,000 lbs, National City Bank
500 bgs, 100,000 lbs, Royal Bank of Canada
500 bgs, 100,000 lbs, Wessel, Kulenkampf & Co
2,000 bgs, 400,000 lbs, Nieschlag & Co
1,400 bgs, 280,000 lbs, Middleton & Co
2,000 bgs, 400,000 lbs, A C Israel Commodity Co
2,000 bgs, 400,000 lbs, General Cocoa Co
2,000 bgs, 400,000 lbs, W R Grace & Co
2,000 bgs, 400,000 lbs, J Aron & Co
2,000 bgs, 400,000 lbs, Wood & Selick
1,000 bgs, 200,000 lbs, Westfeldt Bros
2,000 bgs, 400,000 lbs, Wessel, Duval & Co
4,000 bgs, 800,000 lbs, Schwabach & Co
3,000 bgs, 600,000 lbs, Wessel, Kulenkampf & Co
2,000 bgs, 400,000 lbs, Rockwood Co
RESIDUE—3,709 bgs
COPRA—48 bgs, Commodity Credit Co
CORK—114 bls, H H Dorf & Co
12 bgs, Cork Importing Co
42 bgs, Armstrong Cork Co
STOPPERS—65 bls, H H Dorf & Co
VIRGIN—4,000 bls, Armstrong Cork Co
WASTE—3,878 bls, Armstrong Cork Co
WOOD—357 bls, Robert Shaffer
531 bls, Armstrong Cork Co
500 bls, Crown Cork & Seal Co
953 bls, Universal Transcontinental Co
665 bls, H S Cramer & Co
CUTTLEFISH BONE—50 cs, Hudson Shipping Co
40 cs, J Raphael & Son
GELATEN, PWD—16 kgs
GUM, COPAL—4,386 bgs, O G Innes Corp
200 bgs, H P Winters & Co
200 bgs
HAIR, CATTLE TAIL—28 cs, Stokby Co
HORSE TAIL—55 cs, Samuel Zeitlin Sons
LAUREL LEAVES—100 bls, Morris J Golombeck
MAGNESITE, CALC—30 cs, Schofield Donald Co
MENTHOL—9 cs, Fedex Chemical Corp
OIL, CITRONELLA—1 dm, Wessel, Duval & Co
1 dm, Magnus, Mabee & Reynard
1 dm, Orbis Product Corp
CODLIVER—645 dms, National Oil Product Co
PALM—1,157 tons, Balfour, Guthrie & Co
ORRISROOT—51 bgs, United Naval Stores
PAPAIN—4 cs, Oceano Shipping Co
12 cs, American Ferment Co
PAPRIKA—50 bgs, 7,000 lbs, Credo Commodities Co
100 bgs, J H de Macedo
90 bgs, Morris J Golombeck
20 bgs, Brookhattan Trucking Co
150 bgs, Frank Tea & Spice Co
STRAMONIUM LEAVES—43 bls, S B Penick & Co
TAPIOCA FLOUR—2,682 bgs
THYME LEAVES—22 bgs, Credo Commodities Co
TONKA BEANS—2 bgs
WAX, BEES—140 bgs, J H Rossbach & Bros
141 bgs, Lenape Trading Co
CARNAUBA—49 bgs, American Cyanamid & Chemical Corp
OURICURY—112 bgs, American Cyanamid & Chemical Corp
55 bgs, Credo Commodities Co
63 bgs, J Henry Schroeder Banking Corp
63 bgs, Wm M Allison & Co
63 bgs, Manufacturers Trust Co
112 bgs, Innis, Speiden & Co
113 bgs, Chase National Bank & Trust Co
119 bgs, Wm M Allison & Co

Antimony Deposit Mapped

The Caamano Point antimony deposit, Cleveland Peninsula, southeastern Alaska, has been studied and mapped by the Geological Survey. Copies of the map and report may be obtained from the Director, Geological Survey, Washington.

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Cincinnati Manager

G. T. Robinson has been appointed manager of the Cincinnati office of the Michigan Alkali Division of the Wyandotte Chemicals Corporation. He replaces C. D. Morris, former manager, now serving the U. S. Merchant Marine. Mr. Robinson joined the company in 1927, and has been central regional supervisor for the J. B. Ford Division of the firm, with headquarters in Cleveland.

Middle East Refinery Planned by U.S. Firms

The Arabian-American Oil Company, jointly owned by the Standard Oil Company of California and the Texas Company, will undertake immediately the construction of a petroleum refinery in Saudi Arabia to make petroleum products for the United Nations, according to an announcement by Petroleum Administrator for War, Harold L. Ickes, who has added that three other projects for substantially increasing oil output in the Middle East are also under way.

This contemplated expansion of the production of petroleum products in the Middle East is not expected to be ready for operation for at least eighteen months and perhaps two years, which means that there is no immediate prospect for easing of the present severe rationing of gas and fuel oil in the United States.

The Petroleum Reserves Corporation, a unit of the foreign economic administration, also administered by Mr. Ickes, whose dissolution is demanded by the petroleum industry, is to have no part in the petroleum products expansion in the Middle East.

Major Fischer Home

Major Kenneth Fischer, United States Marine Corps, son of William Fischer, sales manager for Magnus, Mabee & Reynard, essential oils, this city, has returned to this country after three years in the corps and twenty-two months in the South Pacific war area. Major Fischer participated in practically every marine operation from the landing on Guadalcanal to the time he was furloughed home. He was at Pearl Harbor when the Nips stabbed Uncle Sam in the back even as their envoys talked "peace" with the State Department at Washington.

St. Regis Paper Adds To Timber Holdings

St. Regis Paper Company, this city, has purchased all logging operations of the West Fork Timber Company, Lewis County, Wash., as well as perpetual cutting rights to the 109,000 acres timber land owned and controlled by that company, St. Regis Paper Company now owns and controls more than 5,000,000,000 standing feet of timber in the Pacific Northwest.

Prentiss Advanced to Major

Richard J. Prentiss, on leave of absence as president of R. J. Prentiss & Co., importer of crude drugs, chemicals, and insecticides, this city, has been advanced from a captain to a major in the Sanitary Division, Medical Corps, attached to the Office of the Surgeon General, U. S. Army, Washington, D. C.

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Essential Oils, Other Aromatics

Excellent demand and dwindling supply appeared rightly to sum up conditions in the market for essential oils during the past week. Sale of substitutes built a substantial part of local activity. Higher quotations prevailed for numerous natural products, exceptions being about sufficient to prove the general rule that the tendency and trend of values continued upward, notwithstanding the supposed limiting factor of the General Maximum Price Regulation. Domestic oils continued at the impass created by prices wanted by the producers as compared with those at which dealers can legally sell under the GMPR. Cables reported an easier position for petitgrain, a stronger, higher position in eucalyptus in Australia and an advance in cost of sandalwood for import. Labor scarcity was reported a growing problem in cedarwood and cedarleaf oils. Defaults by shippers of Ceylon citronella oil tended to strengthen, or at least make firmer, the position of spot material from that source.

Offerings of apricot kernel were very small and most former suppliers had nothing to sell. Technical and USP cajeput were on the higher side. Palmarosa was advanced and conditions suggested that mighty little, if any, oil was obtainable at the minimum quotation. Northern wintergreen was higher, mainly because former sellers at $5.50 no longer held stocks. The price was higher in the country. Patchouli has all but totally disappeared from spot supply and was close to nominal. Dill seed was shaded but the weed oil scored a slight rise.

Bois de rose was lower here as the result of the pending arrival of oil bought at lower prices at the source and now afloat to this country. Petitgrain was easier in primary market cables but spot prices had yet to reflect the turn in buyers favor.

Prices Advanced

Apricot kernel, 11c. per lb.
Cajeput, technical, 10c. per lb.
USP, 10c. per lb.
Dill, weed oil, 5c. per lb.
Palmarosa, 50c. per lb.
Spruce, 5c. per lb.
Wintergreen, Northern, $1 per lb.

Prices Reduced

Bois de rose, 65c. per lb.
Dill, seed oil, 25c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
259.3	259.3	255.6	245.1

Essential Oils

Almond.—Some report total lack of bitter oil supplies for three years. Practically nominal on spot. Sweet oil in fairly tight position but Spanish oil is reported arriving.

Anise.—Getting steadily scarcer and prices approach entirely nominal position. Quoted in two prominent quarters at $3.85 per pound.

Apricot Kernel.—Prices for replacement often exceed dealer ceilings. Only quotations noted in prominent quarters last week was 56c. per pound, made subject to goods being unsold.

Bois de Rose.—Goods are afloat from the primary market. Some due to reach here this month. Has weakened spot market. Prices down to $5.10 per pound for spots and goods to arrive were offered at $3.75 by dealers at which business was done.

Cajeput.—Higher as stocks dwindle. Technical up to $1.65 to $2.25 per pound; USP, $1.95 to $3. Several important, former suppliers reported no stocks and no chance to get any.

Cananga.—Several who had been able to offer in recent weeks reported lack of supplies. Minimum prices remained unchanged but the range was narrower following sales of native at $11 per pound and rectified at $12—at which exhausted stocks had been held. Minimum quotes continued to be $8.75 for native and $10.25 for rectified.

Cedarleaf.—Broker reports stronger position for this oil as the result of a manpower shortage in the production areas. Most local sellers admit inability to replace in the country and still restrict sales to their GMPR ceiling. Country asking prices reported recently as high as $2.50.

Cedarwood.—Futures were not being offered so freely, producers reporting trouble in the form of insufficient labor supply in primary market.

Citronella.—Reports indicate that some Ceylon shippers recently defaulted on contracts. Has turned the market toward firmer position.

Clove.—Spice situation neither improved nor worse. Position of oil appears to be well stabilized with some reporting on adequate stock.

Croton.—Numerous dealers report no stocks. Limited quantities available at $3, $3.20 and $4 per pound according to seller.

Cubeb. — Stocks apparently exhausted and the spot position has become entirely nominal so far as open quotations are concerned.

Dill.—One quarter eased seed oil prices and the range was $6.25 to $7.50 per pound according to dealer. Many dealers had nothing to offer. Weed oil was up slightly to $5.15 to $6 per pound according to seller.

Eucalyptus.—Production in Australia has decreased because of a shortage of labor. Some report replacement prices higher. Ceilings ruling here preclude much advance in spot prices. Tendency is to offer oil without specification as to quality.

Geranium.—Control of the disposal of goods in French possessions lodged entirely in the hands of the French committee for liberation in North Africa. Shipping facilities continue a prime obstacle to imports.

Juniper Berry.—Stocks of domestic distilled oil remain light and most dealers have nothing to offer. Many reject the home product because of its difference from oil made from juniperus communis.

Lemon.—Consumers still forced to take deliveries rather too close to their time of actual need. However, the extreme shortage in spot stocks has been relieved to some extent. Conditions in Sicily fail to hold much promise for shipments of Italian material. Will depend on when the army gives the "green light" for such movement.

Lemongrass.—Cable showed an advance to 98c. per pound, c.i.f., on replacement material and the spot had stouter undertone as tendency to accept new business became more conservative.

Lime.—Steady at the recently revised price schedule. Demand rather quiet on the spot but volume compares favorably with recent records of transactions.

Palmarosa.—Spot advanced to $4.25 to $5.50 per pound with six out of seven prominent suppliers holding fast for the outside of the range. It was doubtful that much if anything could be had at $4.25. Brokers suggested $4.50 as minimum.

Patchouli.—Reported that small lots may be had at $10 to $11 per pound but the rank and file of dealers report nothing in hand now nor anything in sight for an early replacement.

Petitgrain.—Advices received from representatives of shippers indicate that the market was slightly easier at the source of supply. Local prices fail to reflect such possible easing of the situation in goods for later arrival; they remain very steady.

Peppermint. — Relief from price squeeze has not come and hence local dealers remain practically out of normal operations in this market.

Sandalwood. — Cables offering oil from the Far East market carried higher prices last week, adding just that much to the further development of strength in the local market. No further spot rise yet.

Savin.—No quotations available in leading quarters, though one prominent dealer offered the opinion that around $20 per pound could be obtained if any holder exists.

Spearmint. — The producer-dealer price squeeze continues and it is almost impossible for local dealers to function unless at a loss.

Spruce.—Slightly higher on spot as supplies tighten and replacement at primary market asking prices becomes impossible if resale at GMPR ceilings were to prevail without deviation.

Wintergreen.—The price ideas of

For current prices see alphabetical listing beginning on page 9.

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producers, especially of northern oil, remain such as to make it highly difficult for spot dealers to function. Brokers indicate that northern oil sells as high as $7.50 and $8.50 per pound here. It was quoted higher at $6.50 minimum. Leading sources of supply have been squeezed out of the market by ceiling limitations.

Aromatic Chemicals

With a major part of activity being reported by essential oil dealers as centering in the production and merchandizing of substitutes, replacements, imitations and the like for unobtainable natural products, it was but natural that the sale of aromatic chemicals should feel the effect of such operations. Many compounds created to do service in this time of scarcities of essential oils utilize available aromatics as at least part of their basic raw materials. Also, the tailings and fractions of distillation appear well in the forefront of the present picture. It is probable that far more aromatic chemicals could be sold if production were available. However, production of most commodities is held to limitations prescribed by the availability of basic coaltar raw materials, which are mainly under allocation limitations that are trimmed substantially in ratio to the essentiality of the eventual product. However, since finished goods production had been curtailed by allocation of alcohol and the crisis in packaging, especially for cosmetic articles, the reduced output of aromatics has been eased to some extent. The fact is that scarcities of products abound, especially when demand originates from consuming sources new to individual suppliers. Regular customers get the right of way when goods are available and hence the waiting list of new ones tends steadily to lengthen. In natural products, transactions which have at least a tinge of black market coloring are alleged to exist. In aromatic chemicals, the available supply leaves very little stock for black market transactions since few if any manufacturing consumers receive more than the absolute minimum of products which they need to survive.

Made Vice-President

Philip C. Sayres has been elected a vice-president of Bristol-Myers Company, pharmaceutical manufacturer. Mr. Sayres joined the company in 1931. He has been successively comptroller, assistant treasurer and secretary-treasurer of Bristol-Myers Company, and was elected a member of the board in 1943.

Felton Chemical Opens Branch in Mexico City

The Felton Chemical Company recently opened a branch in Mexico City. In charge of this office, as well as of its Mexican business in general, is J. Alvarado Lang, a, chemical engineer of the National University of Mexico. Julian R. Fonte, of the Brooklyn home office, spent two months in Mexico supervising the opening of the new branch.

Chicago Drug, Chemical Club to Meet February 24

The Chicago Drug & Chemical Association luncheon-meeting will be held at the Drake hotel, February 24, at 12:15 p. m. Bruce Thomas, war correspondent-author-lecturer, will speak on "Alaska: Door to Japan—Russia, the Key."

Spain's Essential Oil Exports

Records of the Grupo de Plantas Medicinales, Aromaticas y Ornamentales of the Sindicato Vertical de Frutos y Productos Horticolas show the following exports from Spain in July, 1943:—

	Kilos		
	United States	Germany	Other countries
Eucalyptus	.....	.....	1,000
Lavender	.....	.....	810
Orange	.....	6,247	474
Rosemary	.....	.....	180

Trade Briefs

Cosmedico, Inc., Brooklyn, has been incorporated with a capital of 100 shares no par value. Subscribers are S. Dubow, J. Haimowitz and Morris Goldstein, of 1457 Broadway, this city.

G. C. Wade, associated with Meyer Brothers Drug Company, St. Louis, for twenty-three years, has joined the executive staff of Grove Laboratories, St. Louis, as buyer and wholesale sales consultant.

De Vere L. McNich, manager of the Chicago office of the Florasynth Laboratories, has been elected president of the Red Arrow Club. Mr. McNich has been with Florasynth since 1935.

Robert T. Bonnie, secretary-treasurer of the Kentucky Color & Chemical Company, Louisville, has been reelected for a second term as president of the Louisville Board of Trade, an organization which he has served consistently in many capacities over a period of years.

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Petroleum Derivatives

Despite the strenuous and unremitting efforts of the Petroleum Administrator for War and the Office of Defense Transportation to afford a more liberal allowance of tankcars for the conveyance of petroleum derivatives earmarked for civilian use, there has been little if any, easing of the tension in the petroleum transportation situation within the past week.

Hence the resultant shortages in supplies of crude oil available to independent refineries in the East and Middle West and of solvents, diluents, liquefied gases and petroleum waxes, as well as of bunker and diesel types of fuel oil and all lubricating oils, designed for non-military consumption, which have been progressively intensified since the outset of this year, are now growing still more acute.

Nor does there seem to be much prospect for relief from these shortages until the end of the Winter season, as the eastward movements of the military establishment's invasion-bound petroleum products from primary sources in the Southwest and Mid-Continent fields, which are increasing daily, must necessarily take precedence over all non-military transportation requirements until they diminish materially. And no tapering-off of these war needs and accompanying war requisitioning of tankcars, tanktrucks, tankships and barges is deemed likely before Springtime.

Prices Advanced

Fuel oil, 38-40 gravity, Pennsylvania, ⅛c. per gal.
Gasoline, 72-74 octane, leaded, Pennsylvania, ¼c. per gal.

Prices Reduced

None

One of the most acute shortages so far developed, outside the petroleum chemicals having benzol and toluol bases, is now noted in bright and neutral stock lubricants, derived from Pennsylvania light grade crude oils, the production and shipments of which have been heavily curtailed within the last fortnight.

Solvents and Diluents

Aromatic Solvents.—With shipments of the all-xylene base material going forward to processors of the high-solvency aromatic naphthas on a steadily increasing scale, now that the available supply of tankcars for this purpose has been made fairly adequate through an appeal to the Office of Defense Transportation, there is a sufficient output of the allocated grades to meet the recently revived and amplified requirements of those engaged in all forms of war production work. And there is no abatement of the demand for the unallocated grades from consumers of these solvents unable to obtain authorization for the acquisition of the products having distillation point under 330 degrees. Aliphatics, also, are moving in fairly brisk fashion into other consuming channels.

Cleaners' Naphtha.—Continues in keen request from both military and civilian users. Market holding firm throughout.

Lacquer Diluent.—War production interests are still absorbing the lion's share of both benzol and toluol types, leaving little for non-military users. Tone steady.

Mineral Spirit.—A keen demand continues to be shown for this material for both military and civilian accounts.

Rubber Solvent.—Processors of synthetic rubber are still procuring the bulk of the output of this solvent. Prices strongly maintained.

Stoddard Solvent.—A brisk movement of this solvent continues noted into both military and civilian channels. Tone firm.

V. M. & P. Naphtha.—Leading exponents of the paint industry are still making extensive purchases of this solvent, with those engaged in war production contracts absorbing the greater part of all offerings.

Markets at Other Centers

Chicago, Feb. 4.—An active demand is noted for virtually all petroleum solvents and diluents, with buyers in many instances endeavoring to obtain more of them than sellers are willing or able to release.

Los Angeles, Feb. 4.—Market conditions for petroleum solvents and diluents are generally steady, with the demand running well ahead of production, particularly in paint thinners and solvents.

Lighter Fractions

Butane.—Notwithstanding the determined efforts of the Petroleum Administrator for War to break the bottleneck in Eastward movements of this liquefied gas by endeavoring to return a large percentage of high-pressure-resistant cars to civilian service, there has been no perceptible improvement in the supply of these specially-constructed cars available for this purpose. Hence, the resultant scarcity of this liquefied gas in the East available for use outside the building up of high-octane gasoline and the processing of synthetic rubber remains unrelieved. Price structure exceedingly strong.

Heptane.—Buying interest steadily expanding. Market firm.

Hexane.—Moving in mounting volume into consuming channels. Tone steady.

Octanes.—Buying interest constantly growing. Prices well maintained.

Pentanes. — Purchasing movement reaching larger proportions daily. Market firm.

Propane.—With no improvement in the supply of high pressure resistant tankcars yet resulting from PAW's efforts to turn the diversion of a vast number of these specially constructed carriers from refineries and natural gasoline plants to civilian service, virtually all available supplies of this liquefied petroleum gas are continuing to go into the government's 100-octane gasoline and synthetic rubber making programs, leaving little or none for home consumers.

Markets at Other Centers

Chicago, Feb. 4.—War demands continue to grow for butane and propane and all other descriptions of the liquefied petroleum gases here. But offerings for all except military purposes continue limited.

Los Angeles, Feb. 4.—Market continues very active for the lighter hydrocarbons on the Pacific coast. Although producers of butane and propane are generally meeting demands of the military establishment, they are unable to fill the constantly growing volume of orders for civilian users.

Petrolatums and Waxes

Amorphous Waxes.—A steady movement of these waxes into consuming channels continues to be noted, with prices well maintained throughout the list.

Paraffin.—Although there has been a further easing of the supply situation in crude scale, there has been no improvement to date in the output and volume of offerings in any of the refined grades, because of the continued insufficiency of manpower and processing plant facilities. Civilian consumers are still clamoring for many of the fully refined waxes, but their requirements are going largely unfilled. Although these grades are so far free from allocation control, microcrystalline waxes, in which there is now a critical scarcity, in the face of a record-breaking 1943 output, because of the huge absorption of these waxes by the armed forces, are now being allocated.

Petrolatums.—Continue moving steadily, with prices for U.S.P., veterinarian and technical grades being firmly held.

White Mineral Oils.—Buying interest is holding up well for both U.S.P. and technical grades. Market steady.

Fuels and Lubricants

Crude Petroleum.—There has been another small increase in the average daily production rate for crude oil within the week ended January 29, the gain in output for that week having amounted to 20,250 barrels carrying the average to 4,409,450 barrels daily. But

For current prices see alphabetical listing beginning on page 9.

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this was 20,150 barrels less than PAW's January recommendation of 4,429,500 barrels daily.

For the purpose of encouraging an expansion of production in the Middle West, PAW has lifted drilling restrictions in several fields and sections of other fields in district 2, in the hope of thereby helping 30 to 50 refineries in that region to secure sufficient crude oil for their day-to-day operations. And, to facilitate acquisition of the materials needed in operating oil wells generally, PAW has amended its preference rating order P-98-b, so as to remove the requirement that operators send delivery orders, with few exceptions, either to Washington or PAW district offices for approval by these agencies before placing material orders with their suppliers.

Fuel Oil.—A marked shortage is noted on the North Atlantic seaboard in all grades of fuel oil, except home heating types, which has become especially acute in bunker and diesel oils. This shortage has resulted from the constantly increasing world-wide military demands, coupled with the heavy domestic consumption arising from the national war effort, together with the much more restricted tankcar movement of oil to this area.

In this connection, also, it may well be noted that nationwide stocks of heavy fuel oil were reduced by 574,000 barrels to 52,857,000 barrels in the week ended January 29. Yet, despite the growing shortage of bunker oil on the Atlantic seaboard, the Standard Oil Company of New Jersey has announced a markdown of 10 cents per barrel in the terminal selling price of bunker "C" fuel oil at Cuban ports, effective February 1, lowering its quotation there to $2.25.

Refiners in Western Pennsylvania have advanced their prices for 38-40 gravity fuel oil by an eighth cent per gallon to a revised range of 6⅝c. to 6¾c.

Gasoline.—As a result of strict rationing throughout the country, nationwide stocks of gasoline have shown an increase for the week ended January 29 amounting to 1,322,000 barrels, carrying these inventories upward to 81,085,000 barrels.

Refiners in the Bradford-Warren district of Pennsylvania have marked up their prices for U. S. Motor 72-74 octane gasoline to the extent of a quarter cent per gallon to a revised range of 8c. to 8⅛c.

Wishnick-Tumpeer, Inc., this city, has released a new issue of "Witcombings."

Fertilizer Materials

Potash supply conditions have been eased to some extent. Increased mining of manure salts was noted and it seemed apparent that some 30,000 tons of potash formerly intended for shipment to Great Britain against lend-lease would be released in the third quarter. Shipments of this material are expected to start April 1. In all about 103 percent of the base period 1941-1942 should be made available.

Concerning nitrogen solutions, it was reported that consumption reached its peak in December with a total of 14,500 tons, compared with 14,400 tons in November and 11,900 tons in October. The decline since December was slightly sharper than the build up, indications for January and February suggesting 13,400 tons and 11,600 tons respectively. Of the 605,000 tons of chemical nitrogen set up for the country, 54 percent was allocated by the end of January and indications point to approximately 65 percent by the end of this month.

Although odd lots of cottonseed meal have reached tobacco growers in the South at ceiling prices, the quantity available for the main tobacco crop-flue cured tobacco is considerably below requirements. Connecticut Valley growers have received some moderate releases and more has been made available, but it looked as though the supply for fertilizer would be considerably less than in other recent years.

Prices Advanced

Ammonia nitrate, ordnance, $1 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Ammonia nitrate produced by ordnance plants has been established at $50 a ton f.o.b. plant for February and March shipments. The program is to go over to a basing point system of pricing which will permit all manufacturers and dealers within a given area being treated alike. Regardless of where ammonia nitrate happened to be produced, the above price will be named plus freight charges from the nearest plant.

In comparing the position of fertilizer materials with World War 1, the Secretary of Agriculture found it to be considerably better, stating that not only is the tonnage much greater but the efficiency of the material is much better.

Beginning with the February 7 issue, the coke by-products estimate of ammonia sulphate will be grouped in a tabulation on page 4 and not run in the market paragraph.

Nitrogenates

Ammonia Nitrate.—February-March shipments have been advanced to $50 a ton f.o.b. production point for ordnance material. The new pricing arrangement replaces the former selling schedule which resulted in hardships imposed upon buyers far removed from production plants where they obtained their supplies. The current price was quoted firm for shipments over a two months' period and no variation is expected. No prices were named beyond March 31.

Ammonia Sulphate.—Production has shown improvement over the past month in fact the estimated output was above a year ago. Demand from mixers was reported active while shipments moved as promptly as labor conditions would permit.

Castor Pomace.—Light production was reflected in limited offerings, and the buying situation showed no material improvement. Demand kept above the supply limit and the market retained its firm tendency.

Cottonseed Meal.—All released stock found a ready market. Some concern was felt regarding the indicated 14,000 tons to be released on account of the time limit for fertilizer use.

Hoof Meal.—Buyers have found it difficult to locate offerings from any source. Production appeared to be sold tight, temporarily.

Nitrogenous Material.—Contract shipments have constituted the major part of the week's movement and the sold up condition of output has held the buying situation tight. WPB has ordered that all hide trimmings and fleshings go into the production of glue and has forbidden the use of other types of raw stock in fertilizer and other products for use in agriculture.

Soda Nitrate.—Buying interest reported active with farmers taking considerable material and storing it for direct application later on. Supply situation remained favorable with allocated shipments being made promptly in both domestic and imported grades. Washington advices assure that stocks will be sufficient to meet all agricultural requirements for the year.

Phosphates

Phosphate Rock.—Mine shipments continued heavy under a steady demand. Acidulators called for full shipments and the combined tonnage movement remained about as great as labor and transportation facilities would permit. Increased labor costs have contributed strength to market's price structure and ceiling figures were reported in most every direction.

Superphosphate.—Production was reported around peak levels while demand remained unsatisfied at several points. The movement to the Imperial Valley and Arizona has been completed. About 3,000 tons were received in the San Joaquin Valley. Demand West of the Mississippi River has continued exceedingly heavy. Some of the largest producers of triple in the Northwest have been required to allocate their output to consumers in order that deliveries might be equalized. Lend-lease shipments have kept the supply of triple relatively low at Eastern distributing points.

Potashes

Continued heavy production and the pending allocation of 30,000 tons of material released from lend-lease shipments have improved the supply situation. It was reported that regardless of lend-lease there were about 3,100 tons listed for export this month which will reduce the allotment by that amount. Mixers all over the country have been calling for more potash and it looked as though their requests would be granted to some extent. Shipments of this additional allocation are slated to start April 1.

Cottonseed Hull Ash.—Tobacco growers were in the market for this material. The supply was not liberal but some business was entered at lately prevailing prices.

Sulphur and Pyrites

Tonnage shipments of sulphur continued steady from a satisfactory supply situation. No complaint was heard regarding deliveries and so far shipments have been made on schedule time. Imported pyrites remained nominally unchanged, the shipping situation making it difficult to replenish stocks.

Markets at Other Centers

Atlanta, Feb. 4.—Production and shipments of fertilizers in the South is progressing full force and according to reports are well ahead of last year. Except for organic ammoniates, materials are reported measuring up to requirements. Potash production, in spite of early fears of a shortage, is now expected to equal if not exceed the amount used for fertilizers last year. Superphosphate requirements of fertilizer manufacturers are being adequately supplied according to reports, though the Agricultural Adjustment Administration is reported to have not obtained all it wants for distribution to farmers in promoting cropping programs.

Cottonseed meal for Connecticut Valley tobacco growers has been obtained from Brazil while a limited amount of cottonseed meal for shade tobacco growers of the South has been obtained through private channels in small lots from farmers at ceiling prices. Meal for the main tobacco crop-flue cured tobacco is reported far from requirements.

Baltimore, Feb. 4.—Buyers have assumed a more conservative attitude in their operations while sellers have been more on the offensive than for some time. A drop in the price of certain foodstuffs has inspired buying interest with more caution. No sales of fish scrap were reported. Superphosphate was well sold ahead with demand running in excess of supply. Offerings of tankage seemed a little freer with demand, visibly, less urgent. Buying interests in dried blood was also more hesitant with bids somewhat below prevailing ceiling levels. There was an inclination to look for freer offerings of bone material under hopes of importations.

Chicago, Feb. 4.—Trade in fertilizer materials is in steady volume, with general undertone of the market strong. Even though large quantities of material have resulted from substantial runs of livestock recently, the market apparently is maintaining itself in basically healthy condition. Blood is quiet but firm. Tankage business remains active.

Bone Materials.—Ground, steamed bone, $35 to $36 per ton; cattle jaws, skulls and knuckles, $40 to $42; dried, rendered tankage, hard pressed, $1.25; 50 percent bone and meat scrap, $65 to $67.50.

Los Angeles, Feb. 4.—Trading in most organics remained light owing to scarcity of supplies, although demand was ready. The movement of superphosphate tonnages to the Imperial Valley and Arizona have been completed. About 3,000 tons from the East through the AAA were received in the San Joaquin Valley. Despite these allocations, the need for chemical nitrogen material in California areas is still very high.

Ammonia Phosphate.—Quotation is $48 per ton for 16/20 grade and $57 for 11/48 delivered California points.

Ammonia Sulphate.—Quoted at $38 per ton, with freight allowance up to $4.40 per ton from California plant, with Canadian material on same price equalizations.

Bone Meal.—Nominal at $45 to $48.50 per ton for steamed variety, with offerings light.

Fish Meal.—Offerings very light; 67 percent protein California sardine meal is quoted at $77.50 per ton in cars, f.o.b. production point.

Downes With Allied Asphalt

Daniel D. Downes, formerly with Newport Industries, Inc., for nineteen years, is now a sales representative for Allied Asphalt & Mineral Corporation, this city.

Copper Sulphate Group Formed by OPA

The formation of a copper sulphate standing subcommittee has been announced by the Office of Price Administration. As a unit of the industry advisory committee concerned with all agricultural insecticides and fungicides, this subcommittee will represent the interests of eight refineries and manufacturers, 500 wholesalers and 10,000 retailers of copper sulphate and copper lime dusts. It will act in a consulting capacity with OPA on matters pertaining to the pricing of copper sulphate. The members of this new subcommittee, representing large and small firms throughout the entire United States, are:—

George Paterson, of the Irvington Smelting & Refining Company, Irvington, N. J.; Edwin J. Mayer, of the Superior Copper Products Company, Chicago; M. M. Stockman, of the Mountain Copper Company, San Francisco, Calif.; W. C. Bennett, of the Phelps-Dodge Refining Corporation, New York; Leon David, of the Brooklyne Chemical Works, Inc., Baltimore, Md., and Fred B. Porter, of the Tennessee Corporation, Atlanta, Ga.

Copper Output Up

Production of copper from domestic ores in the United States established new all-time records in 1943, according to the Bureau of Mines. Output of refined copper from foreign ores dropped 12 percent to 308,000 tons in 1943, following a somewhat sharper decline in 1942. Scrap materials treated at primary plants, however, accounted for more copper in 1943 than in 1942, and as a consequence the total output of refined copper by primary plants was virtually the same in both years—1,503,500 tons and 1,499,704 tons, respectively.

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8—BUFFALO, STURTEVANT, ROOTS, CONNERSVILLE BLOWERS
1—SPERRY, 42", FILTER PRESS with 57 PLATES
1—SHRIVER, 24", JACKETED, FILTER PRESS; 30 CHAMBERS
8—1000 GAL., VERTICAL, COPPER TANKS; 4' dia. x 9½"
1—SWEETLAND, NO. 9, FILTER, 24 leaves and 1 No. 5, 30 leaves
6—1000 GAL. VERTICAL, JKTD. & AGTD. STEEL, PROCESSING KETTLES; 54"x9'

BUY WAR BONDS NOW!

FIRST MACHINERY CORP.
EAST 9th STREET AND EAST RIVER DRIVE
NEW YORK 9, NEW YORK

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

Agencies Wanted

CINCINNATI FIRM dealing with the paint, varnish, ink, lacquer, rubber, paper and other industries would be interested in representing producers of iron oxides, white pigments, chemicals, oils and other materials used by the above-mentioned industries. We cover part of Ohio and Louisville, Kentucky. BOX 845, Oil, Paint and Drug Reporter.

Business Wanted

CHEMIST with extensive manufacturing sales and export experience wishes to buy all or part or to participate in expansion of going business. Give sufficient information to warrant further negotiations. BOX 844, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE: Vulcan rotary kiln dryer 4 ft. x 40 ft. Feed hopper and screw feed. Can be used for direct or indirect heating. Complete with drive and oil burner. Located near New York City. BOX 835, Oil, Paint and Drug Reporter.

FOR SALE—Day 150-gallon heavy, jacketed 2-arm mixer; 12x30, 3-roll mill, motorized; new Day "C" sifter-mixer; 10-h.p. explosion-proof motor; wall mixers; portable mixers. Storms-Harvey Equipment Co., Inc., 123 Bleecker street, New York.

Equipment Wanted

TANK—Stainless steel or glass-lined, 1,100-gallon capacity, for hauling acid by truck. BOX 843, Oil, Paint and Drug Reporter.

Equipment Wanted

NAILING MACHINES wanted: We want used Morgan or Doig nailing machines at once. State make, size, best cash price. Chas. N. Braun Machinery Co., Fort Wayne, Indiana.

WANTED—BREAKER for solid caustic soda drums, Houchin type; sulphonator high-speed agitator, 750-gallon capacity. BOX 848, Oil, Paint and Drug Reporter.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 855, Oil, Paint and Drug Reporter.

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BUY WAR BONDS

BACK *Fire Power* with

"CONSOLIDATED" *Delivery Power*

Special Items from Stock

1—P & S. 9-Truck ATMOSPHERIC DRYER, 1,562 sq. ft. tray surface.
2—PEBBLE MILLS, 1—4' x 4' Burrstone Lined; 1—4' x 6' jacketed Steel Lined; 1—32" x 42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
6—DRY POWDER MIXERS 1200 lbs., 600 lbs., 200 lbs., 100 lbs., other sizes.
2—W. & P. MIXERS, sizes ZI-X-BB jacketed 625 gal.: 1—size 15, 100 gal. jacketed: 1—size 14, 50 gal. jacketed; other sizes.
2—4'x6' Iron OLIVER CONTINUOUS FILTERS; 1—Iron 5'x4'.
7—HEAT EXCHANGERS, 56 to 1600 sq. ft. heating surface; other sizes.
6—RAYMOND PULVERIZERS, 4-Roll Low Side, No. 3, No. 1, No. 0000.
1—Day No. 30 Imperial Jack. MIXER, 75 gal.
1—Schaeffer size 14 POIDOMETER.
3—2" Willey SAND PUMPS.
18—RUBBER LINED Rectangular TANKS; 7—500-gal.; 2—200 gal.; 1—150 gal.
1—5' x 12' Vacuum DRUM DRYER, Buffalo Foundry, complete with accessories.
1—Procter & Schwartz 5-section, 27-truck Atmospheric DRYER, excellent condition.
18—ROTARY VACUUM DRYERS; 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 36" x 12'.
3—ATMOSPHERIC DRUM DRYERS 4' x 12'.
1—Buffalo Vol. 32" x 72" ATMOSPHERIC DOUBLE DRUM DRYER, m.d. complete.
6—25 gal. MONEL open TANKS; 5—45 gal.
1—3' x 4' Denver ROD MILL
29—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—PNEUM. SCALE CARTON PACKAGING UNIT
2—Batteries of two each TYLER HUMMER SCREENS 4'x5', single deck, other sizes
3—Direct heat ROTARY DRYERS 4' x 30', 5' x 30', 70" x 30'.
1—500 gal. steel closed jacketed agitated KETTLE; 1—420 gal.
1—Buffalo cast iron jacketed 125 gal. AUTOCLAVE.
1—Zaromba triple effect EVAPORATOR, steel tubes, C.I. body—500 square ft. per effect, complete.
1—No. 10 SWEETLAND FILTER, 27 leaves, 4" C.C.; 1—No. 7, 27 copper leaves, 3" C.C.
1—36" dia. Cast Iron COLUMN, 23" high.
1—355 c.f.m. AIR COMPRESSOR, with A. C. Motor.
1—No. 432 ROTEX SIFTER 40" x 84", m. d.
4—Coal PULVERIZERS, various sizes and makes.
2—500 gallons AUTOCLAVES, hammer welded steel, jack. agit.
1—Devine duplex VACUUM PUMP 16 x 16 x 12.
3—325 gal. Copper Jack. agit. covered KETTLES or STILLS.
5—600 gal. steel STILLS with copper coils.
8—Jack. steel KETTLES 100 to 2000 gals.
3—STOKES steam heated WATER STILLS, 5, 10 25 gal. per hour.
1—Day 5-gal. jacketed MOGUL MIXER.
2—BROUGHTON 1500 lbs. MIXERS
1—ALUMINUM 350 gal. Jacketed Agitated KETTL
1—ALUMINUM 275 gal. Jacketed Agitated KETTLE with Aluminum Agitator, m.d.
3—PEBBLE MILLS, 40 x 16" Colorado Iron Works; 42" x 16" Allis-Chalmers.

LIQUIDATION

Machinery and Equipment of Food Products Plant

1—BUFFALO single drum ROTARY VACUUM DRYER, 48" diameter x 40" face.
1—J.P. DEVINE 40" x 60" single drum ROTARY VACUUM DRYER, with new iron drum complete.
1—SHARPLES CENTRIFUGE with block tin bowl, motor driven with AC motor, complete.
1—16" ELLIS ROTARY DRYER, type X.
1—12" x12" DEVINE VACUUM PUMP, with 15 HP 3 p., 60 c., 440 v. motor.
1—J. P. DEVINE 400 sq. ft. SURFACE CONDENSER.
1—Union Steam Pump Company, No. 100 VISCOLIZER, chain motor driven to 5 HP, AC motor, including bronze head, recently installed.
1—BLACKMER ROTARY PUMP, with 1¼ HP 3 p., 60 c., 440 v. motor, new.
1—BUFFALO, steam driven VACUUM PUMP 8" x 8" x 12"

All of the above equipment is now set up and can be seen in operation.

Each unit is complete with accessory fittings.

Equipment of a Grease Plant 554 S. Front St., Elizabeth, N.J.

STEEL VERTICAL TANKS
4—Closed 6' x 23'10" high, 5000 gal.
1—Open 4' x 8' high, 750 gal.
1—Open 6'6" x 8' high, 1450 gal.

STEEL JACKETED AGIT. KETTLES
1—86" dia. x 7'9" high, bottom jacket, 2400 gal.
1—66" dia. x 5' high, 900 gal.

MIXING TANKS
1—Steel Open 8'6" dia. x 7' high, 3000 gal. pulley driven.
1—Steel Open, Coil Heated 8' dia. x 53" deep. 1650 gal. pulley driven.

STEEL RECTANGULAR TANKS
1—Open 18' x 4' x 6' high, 6000 gals.
1—Open 10' x 7'6" x 6' high, 3700 gals.
1—8' x 8' x 5' high, 2400 gals.

WASTE DISPOSAL AND REDUCTION PLANT
Boston Harbor, Mass.

Steel Storage Tanks, Direct Heat Rotary Dryers, Percolators, Pumps, Engines, Etc.

Send for Complete Listings.

9—Hardinge BALL MILLS, 3' x 8", 3' x 36"; 4' 6' x 24" with classifier, 5' x 22", 6' x 36"; also 6' x 12' Rod Mill.
1—No. 0 Simpson 3' dia. INTENSIVE MIXER.
5—ROTARY KILNS, 4' x 30', 5' x 50', 6' x 60', 8' x 125', 8' x 135'.
2—BELT CONVEYORS, 30" x 130', 16" x 65'.
3—Dracco Perfecto Type AAA DUST COLLECTORS
1—Devine horiz. jack. VULCANIZER, 5' x 11'
1—Abbe Bluteregss No. 2 SIFTER
2—Gen. Ceramic 40" dia. x 15' high ABSORPTION TOWERS.
1—Steam jack. steel KETTLE 3800 gal. cap
1—Steam jack. steel KETTLE 1000 gal. cap.
1—Glass Lined jack. KETTLE 235 gal. cap.
2—10' dia. Glass Lined jack. EVAPORATING PANS or CRYSTALLIZERS
3—ROLLER MILLS, 6' x 14", 12 x 30, 16 x 40, water cooled.

HARD TO GET

4—Buflovak 6' dia. Jacketed Vacuum CRYSTALLIZERS, or VACUUM PAN DRYERS.

WANTED Idle Machines

Single Items or Complete Plants

You can help war Production by sending us your list.

SPECIAL

2—70" x 30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, TYPE A-9.

We Buy and Sell From a Single Item to a Complete Plant

CONSOLIDATED PRODUCTS CO., INC.

13-18 Park Row
New York 7, N. Y.

FOR OVER 25 YEARS A SYMBOL OF CONFIDENCE

Shops: 335 Doremus Ave.
Newark 5, N. J.

Business Wants and Offers

—Continued from page 68

Materials Offered

RANCH, equipped for cultivation of medicinal plants and spices, would like to receive proposition from serious firm who wants to contract for coming crops. Make bid and state quantity required to Winter Ranch, care 613 Mountain Drive, Beverly Hills, Calif.

STAINLESS STEEL TANKS
New, open top, dished bottom, mounted on stands, 100, 200 and 300 gals. capacity

COPPER TANK
66" dia. x 7' high, with coil and agitator.

COATING PAN (copper)
J. H. Day, 66" dia. ball bearing, like new.

STEAM JACKETED TANK
9' dia. x 5' deep, flat bottom, with heavy duty agitator, 100 lbs. W.P.

DAY MIXER with 5 H.P. motor, like new. EVAPORATOR, copper, used eight months. Air Compressors, Boilers, Filters, Tanks, Pumps, Ice Machines, Condensers.

H. LOEB & SON
4603 LANCASTER AVE., PHILADELPHIA 31, PA.

SPECIALS

1—Bantam Micro Pulverizer.

1—Steel Storage Tank, 10'x26', 3/8" shell, welded construction.

2—Solvent Recovery Stills with steel columns and condensers, 330 and 500 gal.

10—Pebble Mills, 30 to 200 gal.

3—Howe Barrel & Bag Packers.

2—Water cooled Roller Mills, 9"x24".

1—Ross 12"x30" Three Roll Water Cooled, Motor Driven, Roller Mill, with Brazington guides.

1—Robinson 30" Motor Driven Attrition Mill, 2—40 HP motors.

1—Shriver 30"x30" C. I. Filter Press, 30 chambers, with Shriver Diaphragm Pump.

3—Kilby 32"x32" Plate and Frame Presses, 45 chambers, 1" cake.

3—Oliver Rotary Filters, 8'x8', 5'x8', 8'x3½', Wood and Steel.

10—Heat Exchangers, 175 to 2000 sq. ft.

1—Buflovak 32"x90" Atmospheric Double Drum Dryer, motor driven.

1—Buflovak 5'x10' Rotary Vacuum Dryer with Condenser.

1—Buffalo 5'x6' Atmospheric Drum Dryer.

1—Buflovak 24"x20" Single Drum Vacuum Dryer.

1—Vulcan 6'x42' Rotary Atm. Dryer.

2—Buflovak 6' dia. Crystallizers.

1—W. & P. Mixer, jacketed, 100 gal., vacuum type.

1—Day No. 30 Imperial Jacketed Mixer, 75 gal.

3—5, 10 and 15 gal. Day Cincinnatus Double Arm Mixers.

5—Pony Mixers, 2½ to 40 gal.

2—Scott Closed, Steel Jacketed Kettles or Cookers, 1200 gal.

18—Tolhurst 20", 32", 40", 48" Centrifugals, copper, steel baskets.

3—Sharples No. 6 Centrifuges.

2—50 gal. Copper Vacuum Pans.

1—Copper Jacketed, Agitated Kettle, 600 gal.

2—Buflovak, Devine Jacketed Kettles, 300 and 600 gal.

1—Copper Tank, 6'x6', 1250 gal.

2—Lead Lined Tanks, 1700 gal.

10—Bucket Elevators, 30' to 75' centers.

9—Belt Conveyors, 20' to 50' centers.

Over 1000 other items in stock. Send us your inquiries for prompt attention. We specialize in disposing of your surplus equipment. Send Lists.

BRILL Equipment Co.
183 VARICK STREET NEW YORK

Materials Wanted

WILL PURCHASE your surplus and discontinued chemicals, drugs, oils, waxes, dyes, solvents, etc., and will pay highest cash prices for same. Thoroughly familiar with WPB regulations. Will make immediate offer. Write fully. BOX 854, Oil, Paint and Drug Reporter.

DO NOT wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. BOX 856, Oil, Paint and Drug Reporter.

Ross W.C. 3 Roll Mill, 12x30, Motor Drive.
Day 80 gal. Ink Mixer, Motor Drive.
Buffalo Vacuum Drum Dryer, 24"x28".
Black & Clawson Double Drum Dryer, 28"x60".
Tolhurst Suspended Extractors, 40" Bottom Discharge.
Pressure Kettles 1 to 1500 gallon capacities.

Send for Bulletins "P" and "Q"

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
59 East 4th Street, New York 3, N.Y.

1—Raymond No. 10 Imp. Mill, complete with Cyclone Dust Collector, connecting Piping and Mechanical Separator.

1—3 Roll High Side Raymond Mill.
3—No. 0000 and No. 0 Raymond Mills.
6—Autoclaves, 200 to 1500 gals.
12—Vertical, jacketed, agitated Kettles, up to 1600 gals.
1—Procter Automatic Conveyor Dryer.
1—Pfaudler 350 gal. Glass Lined Tanks.
5—20, 35 and 150 gal. Closed Agitated Jacketed Copper Kettles.
5—Ball & Jewell, Rotary Cutters, Brand New.
2—Homogenizers 5 H. P. and 10 H. P.
1—Buckeye 15 Box Hydraulic Oil Presses, 16" Ram, 4,000 lbs. P.S.I.
1—Oliver Rotary Filter, 6' x 6'.
1—Faust 150 gal. Jack. Spiral Mixer.
2—75 and 1500 gal. lead lined closed Kettles.
1—Schutz-O'Neill No. 2 Gryrator Sifter
2—Robinson 20" M. D. Attrition Mills.
1—Dry Mixer, 1200 lbs.
1—Howe Iron King Filler and Packer.
2—4000 gal. Vert. Acid Proof Tanks.
4—Iron & Wood Filter Presses 8" 12", 27" & 30".
4—Watson-Stillman Hydr. Pumps.
1—Nash No. 3 Vacuum Pump.
1—No. 2 Oliver 14"x8" Duplex Vacuum Pump.
1—Pennsylvania Vac. Pump, 14"x 5".
2—Worthington 12"x12"x12" Vacuum Pumps.
2—De Laval No. 301 and 600 Multiple Clarifiers, motor driven.
5—Ross 8, 15 and 40 gal. Pony Mixers.
2—5 Roll water cooled 16" x 40" Steel Roller Mills.
2—Ross 3 Roll Mills, 12" x 30" and 16" x 40".
10—Pebble and Jar Mills, Lab. to 200 gal.
5—Centrifugals, 26", 28", 32" and 40".
8—Stone Mills, 10" to 32".
8—Lead and paste Mixers, 50 to 135 gals.
5—Varnish Kettles, 100 to 200 gals.
6—Horiz. and Vert. Mixers, up to 500 gals.
10—Glass Lined and Steel Tanks up to 4000 gals.
1—Schutz-O'Neill No. 1 Sugar Pulverizer.
2—Schutz-O'Neill Style A, 16" and 20" Pulverizers.
2—Double Roll Crushers.
3—Williams, and Quaker City Hammer Mills.
10—Electric Agitators, ¼ to 3 HP.
20—Rotary Centrif. and Triplex Pumps.

●

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

●

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.

Positions Vacant

SUPERINTENDENT for contact acid plant and acidulating plant located in Northern New England. Give full details as to qualifications, age, salary expected, etc. All correspondence strictly confidential. BOX 823, Oil, Paint and Drug Reporter.

WANTED: Man with chemical training to sell our products to the textile, leather, and allied industries. To locate in Philadelphia and travel in Pennsylvania and surrounding states. Should be able to demonstrate and assist in the solving of dyeing, finishing, and kindred problems. Apply only if qualified, stating age and draft status. Jacques Wolf & Co., Passaic, N. J.

CHEMIST or chemist assistant; by a company manufacturing industrial oils, textile oils and textile chemicals. Permanent post-war opening. In reply please give age, education, experience, draft status and salary expected. A personal interview will be arranged. P. O. Box 1345, Providence, R. I.

MAN WANTED for wax department of concern manufacturing household chemicals, located in Long Island City. Write fully in strict confidence. BOX 842, Oil, Paint and Drug Reporter.

PHARMACEUTICAL MANUFACTURER, located in New York City, requires a man or woman, thoroughly experienced in machine filling hard gelatin capsules. This is a good paying, steady position. BOX 847, Oil, Paint and Drug Reporter.

CHEMIST WANTED with experience in varnishes and protective coatings to do development and research work for large steel-container manufacturer. BOX 849, Oil, Paint and Drug Reporter.

CHEMIST WANTED—experienced in essential oil distillation and production of aromatic chemicals. Ability to supervise and direct others essential. Excellent opportunity for right man, with a responsible concern. Give full information in first letter, including age and draft status. BOX 852, Oil, Paint and Drug Reporter.

FOR SALE
4—100 gallon WERNER & PFLEIDERER mixers
3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—Kent 9 in. x 22 in. - 5 roller High Speed ROLLER MILL
3—32 in. x 36 in. PEBBLE MILLS
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills
Specializing in Rebuilt Machinery
IRVING BARCAN COMPANY
30 CHURCH ST., NEW YORK, N. Y.

FOR SALE
1—48" Vulcan copper Fractionating Column.
2—4 x 6' Atmospheric Drum Dryers.
1—8" Centrifugal Pump and 75 hp. motor.
2—4 x 10' and 6 x 15' Tube Mills.
2—2" Duriron Centrifugal Pumps.
1—24" Attrition Mill with 20 hp. motors.
2—12 x 32" and 16 x 40" 3-roll Mills.
4—Lead Lined Tanks, 400-1000 gallons.
1—100 sq. ft. single effect Evaporator.
10—Variable speed Drives 1½-5 h.p.
1—2 x 5' double drum Flaking Roll.
2—3 x 6' and 4 x 9' Lard Rolls.
2—Colloid Mills requiring 40 h.p. each.
1—26 x 24" Link Belt type A 2-roll Crusher.
1—No. 2 Austin gyratory Crusher.
What equipment have you for sale?
LOEB EQUIPMENT SUPPLY CO.
903 N. Marshfield Ave., Chicago 22, Ill.

(2) GRINDERS (2)
HAMMER MILL TYPE
COMPLETE WITH BLOWER, MOTOR AND STARTING COMPENSATOR
DIRECT CONNECTED TO 25 H. P. WESTINGHOUSE MOTOR
220 VOLT—3 PHASE—60 CYCLE—3600 R. P. M.

—●—

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N.J.
Phone: Mitchell 2-3536

Positions Vacant

SHADER WANTED by metropolitan New York manufacturer. Highest salary to the right man. Give age and past experience. Answers will be kept confidential. BOX 850, Oil, Paint and Drug Reporter.

PERFUMER WANTED—Must have broad basic knowledge of compounding, and be able to take full charge of perfume laboratory. Reply fully and in detail; all information confidential. BOX 851, Oil, Paint and Drug Reporter.

RESEARCH CHEMIST wanted, with experience in oils and resins (natural and synthetic) used in saturants and coatings. Prefer man with knowledge of formulation and application thereof to finished product. Excellent opportunity in an expanding and well-established Eastern manufacturing company. BOX 853, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, 2B, 24, available March 1, two years experience development work fertilizers and heavy chemicals, desires responsible position, not necessarily in the same fields. Interested in process and equipment design for pilot plants and production. BOX 841, Oil, Paint and Drug Reporter.

CHEMIST, experienced, laboratory and production; specialized in formulation and development of varnishes, enamels, synthetic resins and allied products, desires position. BOX 846, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, 2B, 24, available March 1, two years' experience development work fertilizers and heavy chemicals, desires responsible position, not necessarily in the same fields. Interested in process and equipment design for pilot plants and production. BOX 857, Oil, Paint and Drug Reporter.

Industry Advisory Group Procedure Set

OPD Washington Bureau

A restatement of policy outlining the rules and orders applicable to all group meetings of industry representatives and industry advisory committees with officials of the War Production Board, codified into a single order, GAO 2-141, has been announced by War Production Board. There are no changes in policy or procedure. The new order reaffirms a policy of using committees as advisory groups on war production which has been in practice since the early days of the emergency.

Under the new order, signed by Donald M. Nelson, WPB Chairman, no limitation or conservation order or amendment may be issued without prior consultation with an industry advisory committee if the change will result in a substantial alteration in the operations of that industry. A vice chairman of the War Production Board, however, is authorized to waive this requirement only in case the order is of an unusually confidential character or if the necessity for speed of issuance makes such waiver expedient.

Included in the new order is a clear-cut statement of the protection afforded representatives of industry against anti-trust prosecution growing out of the activities of these advisory groups. Limitations of such group activities are also clearly defined. The immunity from prosecution under the terms of the anti-trust laws is the result of an early agreement between the Attorney General of the United States and the General Counsel of the War Production Board.

Lederle Laboratories DPC Contract Raised

Lederle Laboratories, Inc., this city, has increased its contract with the Defense Plant Corporation, to provide additional equipment at a plant in Pearl River, N. Y., at a cost of approximately $65,000, resulting in an over-all commitment of approximately $300,000. Lederle Laboratories will operate these facilities, title remaining in Defense Plant Corporation.

Chemists to Hear Cohn

Dr. Edwin J. Cohn, professor of physical chemistry at Harvard Medical School, will address a meeting of the New York section of the American Chemical Society in the Hotel Pennsylvania February 11 at 8:15 p. m. His theme will be "Chemical Properties and Physiological Functions of the Plasma Proteins." Dr. Vincent du Vigneaud, of Cornell University Medical College, will deliver an introductory address.

OPD—2-7-1944 70

What happens when a Smudge Pot marries a Paint Pail?

1. A smudge pot originally designed to protect fruit trees from killing frosts and . . .

2. . . . a peacetime paint pail are now playing an important part in shielding Allied convoys.

3. American Can Company combined these two containers. The smudge pot became a float . . . the longer paint can became a fuel chamber.

4. This "smoke float" was further perfected in collaboration with U. S. Navy ordnance experts. It will instantly produce a dense smoke screen to hide Allied ships from the enemy.

CENSORED

5. The rest of the story must remain untold, except that these floats are now being turned out by the thousands and will save great quantities of fuel oil formerly used to produce smoke.

THIS IS merely one interesting example of the work which Canco is doing for the armed forces. There are scores of others including *Complete Torpedoes, Fuse Containers, Land Mines, Ration and Water Containers, various parts for Machine Guns, Search Lights, and Marine Engines.*

In addition, of course, we are still making food cans . . . This year more cans for food are expected to be made than ever before. And, to help conserve metal, Canco packaging experts are designing many types of substitute wartime containers for civilian use.

CANCO

AMERICAN CAN COMPANY

230 Park Avenue, New York 17, N. Y.

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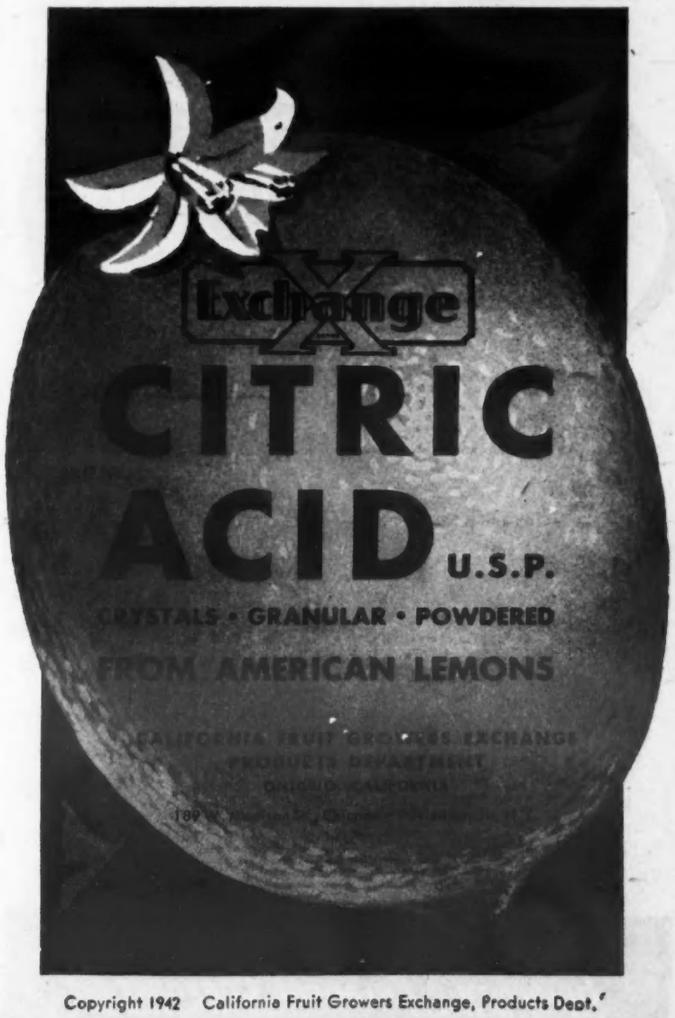

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